



west virginia department of environmental protection

Appendix A: Air Monitoring Data

Promoting a healthy environment.

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Monitor Values Report

Geographic Area: Weirton-Steubenville, WV-OH

Pollutant: SO2

Year: 2014

Exceptional Events: Included (if any)

Note: The * indicates the mean does not satisfy minimum data completeness criteria.

Obs 1hr	First Max 1hr	Second Max 1hr	99th Percentile	Obs 24hr	First Max 24hr	Second Max 24hr	Days >STD	Annual Mean	Exc Events	Monitor Number	Site ID	Address	City	County	State	EPA Region
8169	93	60	30	355	18.1	8.3	0	1.24	None	1	390810017	618 Logan St.	Steubenville	Jefferson	OH	05
8361	57	50	38	365	11.1	10.5	0	4.11	None	1	390810018	3487 County Rd. 19	Not in a City	Jefferson	OH	05
8333	30	27	24	362	8.1	7.9	0	2.3	None	1	390810020	1469 3rd St.	Not in a City	Jefferson	OH	05
8634	88	73	33	360	43	27	0	2.8	None	1	540090005	Follansbee - Mahan Lane	Follansbee	Brooke	WV	03
8521	80	40	32	356	13.2	12.1	0	3.58	None	1	540090007	Mckims Ridge Road - Cross Creek District - P O Box 3280	Not in a City	Brooke	WV	03
8696	159	65	48	364	37.3	19.6	0	3.47	None	1	540090011	Weirton - Marland Heights Elementary	Weirton	Brooke	WV	03
8326	47	46	20	362	7.1	7.1	0	1.72	Included	1	540096000	State Toute 2, Box27a, Beech Bottom, Wva	Beech Bottom	Brooke	WV	03
8705	39	38	34	365	13	12.5	0	4.83	None	1	540290005	New Manchester - New Manchester Elem School	Not in a City	Hancock	WV	03
8700	33	31	29	365	11.3	10.5	0	3.26	None	1	540290007	New Cumberland - R D #1, Crothers Road	Weirton	Hancock	WV	03
8698	31	30	23	365	8.2	7.7	0	2.81	None	1	540290008	Chester - Allison Elementary School, 647 Railroad Street	Chester	Hancock	WV	03
8679	40	28	26	364	12.2	11.9	0	2.3	None	1	540290009	Weirton - Summit Circle	Weirton	Hancock	WV	03
8686	40	38	34	363	8.6	8.5	0	3.53	None	1	540290015	Lawrenceville - Community Park And Tyrone Road	Not in a City	Hancock	WV	03
8688	35	31	28	363	15.1	9.8	0	3.27	None	1	540291004	Weirton - Oak St And Owings St (Between Dead Ends)	Weirton	Hancock	WV	03

Get detailed information about this report, including column descriptions, at http://www.epa.gov/airquality/airdata/ad_about_reports.html#mon

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Source: U.S. EPA AirData <<http://www.epa.gov/airdata>>
 Generated: November 25, 2015

Monitor Values Report

Geographic Area: Weirton-Steubenville, WV-OH

Pollutant: SO2

Year: 2013

Exceptional Events: Included (if any)

Note: The * indicates the mean does not satisfy minimum data completeness criteria.

Obs 1hr	First Max 1hr	Second Max 1hr	99th Percentile	Obs 24hr	First Max 24hr	Second Max 24hr	Days >STD	Annual Mean	Exc Events	Monitor Number	Site ID	Address	City	County	State	EPA Region
8221	48	44	37	356	11.9	8.4	0	1.46	None	1	390810017	618 Logan St.	Steubenville	Jefferson	OH	05
8325	71	68	52	363	16.8	11.7	0	3.83	None	1	390810018	3487 County Rd. 19	Not in a City	Jefferson	OH	05
8354	41	34	33	363	9.5	7.4	0	3.24	None	1	390810020	1469 3rd St.	Not in a City	Jefferson	OH	05
8682	71	66	49	363	35.5	13.7	0	3.25	None	1	540090005	Follansbee - Mahan Lane	Follansbee	Brooke	WV	03
8213	45	40	31	339	15	11.9	0	3.29	None	1	540090007	Mckims Ridge Road - Cross Creek District - P O Box 3280	Not in a City	Brooke	WV	03
8665	71	70	62	362	19.8	19.4	0	4.38	None	1	540090011	Weirton - Marland Heights Elementary	Weirton	Brooke	WV	03
8335	37	32	21	363	5.7	5	0	1.82	Included	1	540096000	State Toute 2, Box27a, Beech Bottom, Wva	Beech Bottom	Brooke	WV	03
8676	36	34	29	363	9	8.8	0	4.21	None	1	540290005	New Manchester - New Manchester Elem School	Not in a City	Hancock	WV	03
8701	40	25	23	364	9.4	8.1	0	3.11	None	1	540290007	New Cumberland - R D #1, Crothers Road	Weirton	Hancock	WV	03
8708	35	30	23	365	8.8	8.5	0	3.12	None	1	540290008	Chester - Allison Elementary School, 647 Railroad Street	Chester	Hancock	WV	03
8118	31	29	22	337	12.8	10.1	0	2.97	None	1	540290009	Weirton - Summit Circle	Weirton	Hancock	WV	03
8683	47	43	40	363	10.9	10.2	0	3.56	None	1	540290015	Lawrenceville - Community Park And Tyrone Road	Not in a City	Hancock	WV	03
8650	31	28	26	363	15	12.3	0	5.08	None	1	540291004	Weirton - Oak St And Owings St (Between Dead Ends)	Weirton	Hancock	WV	03

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Generated: November 25, 2015

Monitor Values Report

Geographic Area: Weirton-Steubenville, WV-OH

Pollutant: SO2

Year: 2012

Exceptional Events: Included (if any)

Note: The * indicates the mean does not satisfy minimum data completeness criteria.

Obs 1hr	First Max 1hr	Second Max 1hr	99th Percentile	Obs 24hr	First Max 24hr	Second Max 24hr	Days >STD	Annual Mean	Exc Events	Monitor Number	Site ID	Address	City	County	State	EPA Region
8328	150	124	92	363	24	22.4	0	3.14	None	1	390810017	618 Logan St.	Steubenville	Jefferson	OH	05
8390	84	44	37	366	16	12.2	0	4.1	None	1	390810018	3487 County Rd. 19	Not in a City	Jefferson	OH	05
8210	44	38	28	356	7.8	7.7	0	2.87	None	1	390810020	1469 3rd St.	Not in a City	Jefferson	OH	05
8636	87	84	71	359	32.5	27.7	0	4.77	None	1	540090005	Follansbee - Mahan Lane	Follansbee	Brooke	WV	03
8721	183	121	71	365	24.4	22.6	0	4.02	None	1	540090007	Mckims Ridge Road - Cross Creek District - P O Box 3280	Not in a City	Brooke	WV	03
8248	224	148	117	345	57.4	40.9	0	5.83	None	1	540090011	Weirton - Marland Heights Elementary	Weirton	Brooke	WV	03
8384	45	37	28	366	7.2	6.6	0	2.39	Included	1	540096000	State Toute 2, Box27a, Beech Bottom, Wva	Beech Bottom	Brooke	WV	03
8564	52	24	24	356	14.1	11.7	0	4.23	None	1	540290005	New Manchester - New Manchester Elem School	Not in a City	Hancock	WV	03
8741	40	36	34	366	15.3	14	0	2.95	None	1	540290007	New Cumberland - R D #1, Crothers Road	Weirton	Hancock	WV	03
8733	44	35	32	366	8.6	8.5	0	2.98	None	1	540290008	Chester - Allison Elementary School, 647 Railroad Street	Chester	Hancock	WV	03
8576	49	49	44	358	21	17.2	0	4.86	None	1	540290009	Weirton - Summit Circle	Weirton	Hancock	WV	03
8625	47	47	27	361	10	9.6	0	3.64	None	1	540290015	Lawrenceville - Community Park And Tyrone Road	Not in a City	Hancock	WV	03
8644	53	47	45	362	19.3	15.4	0	4.89	None	1	540291004	Weirton - Oak St And Owings St (Between Dead Ends)	Weirton	Hancock	WV	03

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Source: U.S. EPA AirData <<http://www.epa.gov/airdata>>
Generated: November 25, 2015

Monitor Values Report

Geographic Area: Weirton-Steubenville, WV-OH

Pollutant: SO2

Year: 2011

Exceptional Events: Included (if any)

Note: The * indicates the mean does not satisfy minimum data completeness criteria.

Obs 1hr	First Max 1hr	Second Max 1hr	99th Percentile	Obs 24hr	First Max 24hr	Second Max 24hr	Days >STD	Annual Mean	Exc Events	Monitor Number	Site ID	Address	City	County	State	EPA Region
8322	192	147	114	361	31.5	26	0	5.57	None	1	390810017	618 Logan St.	Steubenville	Jefferson	OH	05
8356	73	67	55	365	12.5	11.9	0	3.77	None	1	390810018	3487 County Rd. 19	Not in a City	Jefferson	OH	05
8324	62	53	43	361	9.9	9.5	0	3.62	None	1	390810020	1469 3rd St.	Not in a City	Jefferson	OH	05
8674	222	179	143	363	43.3	33.1	0	6.58	None	1	540090005	Follansbee - Mahan Lane	Follansbee	Brooke	WV	03
8690	284	105	75	364	34.4	30.3	0	6.04	None	1	540090007	Mckims Ridge Road - Cross Creek District - P O Box 3280	Not in a City	Brooke	WV	03
5694	342	288	235	236	96.5	70.7	0	8.20*	None	1	540090011	Weirton - Marland Heights Elementary	Weirton	Brooke	WV	03
8369	80	79	46	364	13.3	12.1	0	3.8	Included	1	540096000	State Toute 2, Box27a, Beech Bottom, Wva	Beech Bottom	Brooke	WV	03
8480	44	40	33	352	16.5	11.6	0	4.46	None	1	540290005	New Manchester - New Manchester Elem School	Not in a City	Hancock	WV	03
7801	45	40	36	321	16.1	15.2	0	5.56	None	1	540290007	New Cumberland - R D #1, Crothers Road	Weirton	Hancock	WV	03
8682	34	31	30	362	10.9	9.9	0	3.77	None	1	540290008	Chester - Allison Elementary School, 647 Railroad Street	Chester	Hancock	WV	03
8621	166	71	66	360	33.7	25.3	0	5.85	None	1	540290009	Weirton - Summit Circle	Weirton	Hancock	WV	03
8621	60	47	34	358	12.4	11.8	0	4.12	None	1	540290015	Lawrenceville - Community Park And Tyrone Road	Not in a City	Hancock	WV	03
8587	90	65	63	359	22.2	20.5	0	6.41	None	1	540291004	Weirton - Oak St And Owings St (Between Dead Ends)	Weirton	Hancock	WV	03

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Source: U.S. EPA AirData <<http://www.epa.gov/airdata>>

Generated: November 25, 2015

Monitor Values Report

Geographic Area: Weirton-Steubenville, WV-OH

Pollutant: SO2

Year: 2010

Exceptional Events: Included (if any)

Note: The * indicates the mean does not satisfy minimum data completeness criteria.

Obs 1hr	First Max 1hr	Second Max 1hr	99th Percentile	Obs 24hr	First Max 24hr	Second Max 24hr	Days >STD	Annual Mean	Exc Events	Monitor Number	Site ID	Address	City	County	State	EPA Region
8341	155	141	127	362	38.6	26.5	0	4.41	None	1	390810017	618 Logan St.	Steubenville	Jefferson	OH	05
8680	310	201	131	363	56.5	32.8	0	6.25	None	1	540090005	Follansbee - Mahan Lane	Follansbee	Brooke	WV	03
8604	234	175	92	359	42.9	39.7	0	8.84	None	1	540090007	Mckims Ridge Road - Cross Creek District - P O Box 3280	Not in a City	Brooke	WV	03
8302	392	229	143	346	67.9	42	0	7.39	None	1	540090011	Weirton - Marland Heights Elementary	Weirton	Brooke	WV	03
8430	111	93	85	352	50.8	35.6	0	5.78	None	1	540290005	New Manchester - New Manchester Elem School	Not in a City	Hancock	WV	03
8597	108	72	50	359	21.7	14.9	0	5.14	None	1	540290007	New Cumberland - R D #1, Crothers Road	Weirton	Hancock	WV	03
8711	85	72	44	365	31	26.8	0	4.3	None	1	540290008	Chester - Allison Elementary School, 647 Railroad Street	Chester	Hancock	WV	03
8507	177	76	68	353	31.3	26.9	0	5.63	None	1	540290009	Weirton - Summit Circle	Weirton	Hancock	WV	03
8705	98	88	68	365	39.7	26	0	4.09	None	1	540290015	Lawrenceville - Community Park And Tyrone Road	Not in a City	Hancock	WV	03
8552	89	56	51	357	21.8	19.5	0	5.78	None	1	540291004	Weirton - Oak St And Owings St (Between Dead Ends)	Weirton	Hancock	WV	03

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Generated: November 25, 2015

Monitor Values Report

Geographic Area: Weirton-Steubenville, WV-OH

Pollutant: SO2

Year: 2009

Exceptional Events: Included (if any)

Note: The * indicates the mean does not satisfy minimum data completeness criteria.

Obs 1hr	First Max 1hr	Second Max 1hr	99th Percentile	Obs 24hr	First Max 24hr	Second Max 24hr	Days >STD	Annual Mean	Exc Events	Monitor Number	Site ID	Address	City	County	State	EPA Region
8333	154	98	85	362	28.7	22	0	3.82	None	1	390810017	618 Logan St.	Steubenville	Jefferson	OH	05
8651	97	85	82	362	35.8	20.5	0	6.27	None	1	540090005	Follansbee - Mahan Lane	Follansbee	Brooke	WV	03
8676	126	122	81	364	34.8	34.5	0	7.89	None	1	540090007	Mckims Ridge Road - Cross Creek District - P O Box 3280	Not in a City	Brooke	WV	03
8535	425	365	143	357	105.4	95.6	0	7.22	None	1	540090011	Weirton - Marland Heights Elementary	Weirton	Brooke	WV	03
8438	212	211	139	353	44.8	29.3	0	7.9	None	1	540290005	New Manchester - New Manchester Elem School	Not in a City	Hancock	WV	03
8706	170	133	113	365	39	32.4	0	6.8	None	1	540290007	New Cumberland - R D #1, Crothers Road	Weirton	Hancock	WV	03
8715	167	156	133	365	31.3	28.1	0	6.6	None	1	540290008	Chester - Allison Elementary School, 647 Railroad Street	Chester	Hancock	WV	03
8491	181	143	131	353	41.5	39.9	0	7.64	None	1	540290009	Weirton - Summit Circle	Weirton	Hancock	WV	03
8639	162	147	102	361	43.5	31.3	0	7.46	None	1	540290015	Lawrenceville - Community Park And Tyrone Road	Not in a City	Hancock	WV	03
8676	152	101	97	365	37	30.8	0	8.33	None	1	540291004	Weirton - Oak St And Owings St (Between Dead Ends)	Weirton	Hancock	WV	03

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Generated: November 25, 2015

Monitor Values Report

Geographic Area: Weirton-Steubenville, WV-OH

Pollutant: SO2

Year: 2008

Exceptional Events: Included (if any)

Note: The * indicates the mean does not satisfy minimum data completeness criteria.

Obs 1hr	First Max 1hr	Second Max 1hr	99th Percentile	Obs 24hr	First Max 24hr	Second Max 24hr	Days >STD	Annual Mean	Exc Events	Monitor Number	Site ID	Address	City	County	State	EPA Region
8344	179	175	135	363	35.6	33.3	0	5.02	None	1	390810017	618 Logan St.	Steubenville	Jefferson	OH	05
8639	218	194	168	361	32.9	28.4	0	8.28	None	1	540090005	Follansbee - Mahan Lane	Follansbee	Brooke	WV	03
8638	171	170	137	363	60.4	54.7	0	10.22	None	1	540090007	Mckims Ridge Road - Cross Creek District - P O Box 3280	Not in a City	Brooke	WV	03
8711	234	228	159	366	54.1	45.6	0	10.81	None	1	540090011	Weirton - Marland Heights Elementary	Weirton	Brooke	WV	03
8677	236	197	154	363	41.3	40.1	0	9.86	None	1	540290005	New Manchester - New Manchester Elem School	Not in a City	Hancock	WV	03
8693	193	168	147	364	42.1	31.5	0	8.76	None	1	540290007	New Cumberland - R D #1, Crothers Road	Weirton	Hancock	WV	03
8723	159	145	120	366	52.4	31.4	0	8.18	None	1	540290008	Chester - Allison Elementary School, 647 Railroad Street	Chester	Hancock	WV	03
8704	245	205	163	366	48.7	43.2	0	11.44	None	1	540290009	Weirton - Summit Circle	Weirton	Hancock	WV	03
8708	212	160	127	366	37.9	33.8	0	8.32	None	1	540290015	Lawrenceville - Community Park And Tyrone Road	Not in a City	Hancock	WV	03
8707	250	186	144	366	49.8	42	0	10.99	None	1	540291004	Weirton - Oak St And Owings St (Between Dead Ends)	Weirton	Hancock	WV	03

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Generated: November 25, 2015

Monitor Values Report

Geographic Area: Weirton-Steubenville, WV-OH

Pollutant: SO2

Year: 2007

Exceptional Events: Included (if any)

Note: The * indicates the mean does not satisfy minimum data completeness criteria.

Obs 1hr	First Max 1hr	Second Max 1hr	99th Percentile	Obs 24hr	First Max 24hr	Second Max 24hr	Days >STD	Annual Mean	Exc Events	Monitor Number	Site ID	Address	City	County	State	EPA Region
8133	245	211	168	351	64.4	56.6	0	5.84	None	1	390810017	618 Logan St.	Steubenville	Jefferson	OH	05
8716	231	167	131	365	41	30.9	0	9.15	None	1	540090005	Follansbee - Mahan Lane	Follansbee	Brooke	WV	03
8669	177	174	168	363	55.2	44.3	0	10.2	None	1	540090007	Mckims Ridge Road - Cross Creek District - P O Box 3280	Not in a City	Brooke	WV	03
8694	250	181	169	365	46.3	41	0	10.41	None	1	540090011	Weirton - Marland Heights Elementary	Weirton	Brooke	WV	03
8708	296	240	208	365	95.6	59.6	0	11.82	None	1	540290005	New Manchester - New Manchester Elem School	Not in a City	Hancock	WV	03
8664	239	167	134	362	49.7	47.6	0	9.79	None	1	540290007	New Cumberland - R D #1, Crothers Road	Weirton	Hancock	WV	03
8711	159	136	126	365	45.7	36.7	0	7.83	None	1	540290008	Chester - Allison Elementary School, 647 Railroad Street	Chester	Hancock	WV	03
8683	165	146	142	365	56.7	53.5	0	11.28	None	1	540290009	Weirton - Summit Circle	Weirton	Hancock	WV	03
8677	211	157	112	362	38.1	37.7	0	9.77	None	1	540290015	Lawrenceville - Community Park And Tyrone Road	Not in a City	Hancock	WV	03
8609	188	174	140	359	53.5	44.4	0	10.63	None	1	540291004	Weirton - Oak St And Owings St (Between Dead Ends)	Weirton	Hancock	WV	03

Get detailed information about this report, including column descriptions, at http://www.epa.gov/airquality/airdata/ad_about_reports.html#mon

AirData reports are produced from a direct query of the AQS Data Mart. The data represent the best and most recent information available to EPA from state agencies. However, some values may be absent due to incomplete reporting, and some values may change due to quality assurance activities. The AQS database is updated daily by state, local, and tribal organizations who own and submit the data. Please contact the appropriate air quality monitoring agency to report any data problems.
<http://www.epa.gov/airquality/airdata/ad_contacts.html>

Readers are cautioned not to rank order geographic areas based on AirData reports. Air pollution levels measured at a particular monitoring site are not necessarily representative of the air quality for an entire county or urban area.

This report is based on monitor-level summary statistics. Air quality standards for some pollutants (PM2.5 and Pb) allow for combining data from multiple monitors into a site-level summary statistic that can be compared to the standard. In those cases, the site-level statistics may differ from the monitor-level statistics upon which this report is based.

Source: U.S. EPA AirData <<http://www.epa.gov/airdata>>
Generated: November 25, 2015

User ID: FKQ

DESIGN VALUE REPORT

Report Request ID: 1389355

Report Code: AMP480

Nov. 25, 2015

GEOGRAPHIC SELECTIONS

Tribal Code	State	County	Site	Parameter	POC	City	AQCR	UAR	CBSA	CSA	EPA Region
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48260

PROTOCOL SELECTIONS

Parameter Classification	Parameter	Method	Duration
DESIGN VALUE	42401		

SELECTED OPTIONS

Option Type	Option Value
SINGLE EVENT PROCESSING	EXCLUDE REGIONALLY CONCURRED EVENTS
WORKFILE DELIMITER	,
USER SITE METADATA	STREET ADDRESS
MERGE PDF FILES	YES
QUARTERLY DATA IN WORKFILE	NO
AGENCY ROLE	PQAO

DATE CRITERIA

Start Date	End Date
2007	2014

APPLICABLE STANDARDS

Standard Description
SO2 1-hour 2010

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
AIR QUALITY SYSTEM
PRELIMINARY DESIGN VALUE REPORT

Report Date: Nov. 25, 2015

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 PRELIMINARY DESIGN VALUE REPORT

Report Date: Nov. 25, 2015

Pollutant: Sulfur dioxide(42401)
Standard Units: Parts per billion(008)
NAAQS Standard: SO2 1-hour 2010
Statistic: Annual 99th Percentile

Design Value Year: 2007
REPORT EXCLUDES MEASUREMENTS WITH REGIONALLY CONCURRED EVENT FLAGS.
Level: 75 **State Name:** Ohio

<u>Site ID</u>	<u>STREET ADDRESS</u>	2007			2006			2005			3-Year	
		<u>Comp.</u> <u>Qtrrs</u>	<u>99th</u> <u>Percentile</u>	<u>Cert&</u> <u>Eval</u>	<u>Comp.</u> <u>Qtrrs</u>	<u>99th</u> <u>Percentile</u>	<u>Cert&</u> <u>Eval</u>	<u>Comp.</u> <u>Qtrrs</u>	<u>99th</u> <u>Percentile</u>	<u>Cert&</u> <u>Eval</u>	<u>Design</u> <u>Value</u>	<u>Valid</u> <u>Ind.</u>
39-081-0017	618 LOGAN ST.	4	168		4	135		4	224		176	Y

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 PRELIMINARY DESIGN VALUE REPORT

Report Date: Nov. 25, 2015

Pollutant: Sulfur dioxide(42401)
Standard Units: Parts per billion(008)
NAAQS Standard: SO2 1-hour 2010
Statistic: Annual 99th Percentile

Design Value Year: 2007

REPORT EXCLUDES MEASUREMENTS WITH REGIONALLY CONCURRED EVENT FLAGS.

Level: 75

State Name: West Virginia

Site ID	STREET ADDRESS	2007			2006			2005			3-Year	
		Comp. Qtrtrs	99th Percentile	Cert& Eval	Comp. Qtrtrs	99th Percentile	Cert& Eval	Comp. Qtrtrs	99th Percentile	Cert& Eval	Design Value	Valid Ind.
54-009-0005	FOLLANSBEE - MAHAN LANE	4	131		4	131		4	189		150	Y
54-009-0007	MCKIMS RIDGE ROAD - CROSS C	4	168		4	179		4	147		165	Y
54-009-0011	WEIRTON - MARLAND HEIGHTS E	4	169		4	145		4	152		155	Y
54-029-0005	NEW MANCHESTER - NEW MANCHE	4	208		4	136		4	148		164	Y
54-029-0007	NEW CUMBERLAND - R D #1, CR	4	134		4	142		4	121		132	Y
54-029-0008	CHESTER - ALLISON ELEMENTAR	4	126		4	115		4	105		115	Y
54-029-0009	WEIRTON - SUMMIT CIRCLE	4	142		4	134		4	134		137	Y
54-029-0015	LAWRENCEVILLE - COMMUNITY P	4	112		4	121		4	131		121	Y
54-029-1004	WEIRTON - OAK ST AND OWINGS	4	140		4	138		4	129		136	Y

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 PRELIMINARY DESIGN VALUE REPORT

Report Date: Nov. 25, 2015

Pollutant: Sulfur dioxide(42401)
Standard Units: Parts per billion(008)
NAAQS Standard: SO2 1-hour 2010
Statistic: Annual 99th Percentile

Design Value Year: 2008

REPORT EXCLUDES MEASUREMENTS WITH REGIONALLY CONCURRED EVENT FLAGS.

Level: 75 **State Name:** Ohio

<u>Site ID</u>	<u>STREET ADDRESS</u>	2008			2007			2006			3-Year	
		<u>Comp.</u> <u>Qtrrs</u>	<u>99th</u> <u>Percentile</u>	<u>Cert&</u> <u>Eval</u>	<u>Comp.</u> <u>Qtrrs</u>	<u>99th</u> <u>Percentile</u>	<u>Cert&</u> <u>Eval</u>	<u>Comp.</u> <u>Qtrrs</u>	<u>99th</u> <u>Percentile</u>	<u>Cert&</u> <u>Eval</u>	<u>Design</u> <u>Value</u>	<u>Valid</u> <u>Ind.</u>
39-081-0017	618 LOGAN ST.	4	135		4	168		4	135		146	Y

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 PRELIMINARY DESIGN VALUE REPORT

Report Date: Nov. 25, 2015

Pollutant: Sulfur dioxide(42401)
Standard Units: Parts per billion(008)
NAAQS Standard: SO2 1-hour 2010
Statistic: Annual 99th Percentile

Design Value Year: 2008
REPORT EXCLUDES MEASUREMENTS WITH REGIONALLY CONCURRED EVENT FLAGS.
State Name: West Virginia

Site ID	STREET ADDRESS	2008			2007			2006			3-Year	
		Comp. Qtrtrs	99th Percentile	Cert& Eval	Comp. Qtrtrs	99th Percentile	Cert& Eval	Comp. Qtrtrs	99th Percentile	Cert& Eval	Design Value	Valid Ind.
54-009-0005	FOLLANSBEE - MAHAN LANE	4	168		4	131		4	131		143	Y
54-009-0007	MCKIMS RIDGE ROAD - CROSS C	4	137		4	168		4	179		161	Y
54-009-0011	WEIRTON - MARLAND HEIGHTS E	4	159		4	169		4	145		158	Y
54-029-0005	NEW MANCHESTER - NEW MANCHE	4	154		4	208		4	136		166	Y
54-029-0007	NEW CUMBERLAND - R D #1, CR	4	147		4	134		4	142		141	Y
54-029-0008	CHESTER - ALLISON ELEMENTAR	4	120		4	126		4	115		120	Y
54-029-0009	WEIRTON - SUMMIT CIRCLE	4	163		4	142		4	134		146	Y
54-029-0015	LAWRENCEVILLE - COMMUNITY P	4	127		4	112		4	121		120	Y
54-029-1004	WEIRTON - OAK ST AND OWINGS	4	144		4	140		4	138		141	Y

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 PRELIMINARY DESIGN VALUE REPORT

Report Date: Nov. 25, 2015

Pollutant: Sulfur dioxide(42401)
Standard Units: Parts per billion(008)
NAAQS Standard: SO2 1-hour 2010
Statistic: Annual 99th Percentile

Design Value Year: 2009

REPORT EXCLUDES MEASUREMENTS WITH REGIONALLY CONCURRED EVENT FLAGS.

Level: 75 **State Name:** Ohio

<u>Site ID</u>	<u>STREET ADDRESS</u>	2009			2008			2007			3-Year	
		<u>Comp.</u> <u>Qtrrs</u>	<u>99th</u> <u>Percentile</u>	<u>Cert&</u> <u>Eval</u>	<u>Comp.</u> <u>Qtrrs</u>	<u>99th</u> <u>Percentile</u>	<u>Cert&</u> <u>Eval</u>	<u>Comp.</u> <u>Qtrrs</u>	<u>99th</u> <u>Percentile</u>	<u>Cert&</u> <u>Eval</u>	<u>Design</u> <u>Value</u>	<u>Valid</u> <u>Ind.</u>
39-081-0017	618 LOGAN ST.	4	85		4	135		4	168		129	Y

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 PRELIMINARY DESIGN VALUE REPORT

Report Date: Nov. 25, 2015

Pollutant: Sulfur dioxide(42401)
Standard Units: Parts per billion(008)
NAAQS Standard: SO2 1-hour 2010
Statistic: Annual 99th Percentile

Design Value Year: 2009

REPORT EXCLUDES MEASUREMENTS WITH REGIONALLY CONCURRED EVENT FLAGS.

Level: 75

State Name: West Virginia

Site ID	STREET ADDRESS	2009			2008			2007			3-Year	
		Comp. Qtrtrs	99th Percentile	Cert& Eval	Comp. Qtrtrs	99th Percentile	Cert& Eval	Comp. Qtrtrs	99th Percentile	Cert& Eval	Design Value	Valid Ind.
54-009-0005	FOLLANSBEE - MAHAN LANE	4	82		4	168		4	131		127	Y
54-009-0007	MCKIMS RIDGE ROAD - CROSS C	4	81		4	137		4	168		129	Y
54-009-0011	WEIRTON - MARLAND HEIGHTS E	4	143		4	159		4	169		157	Y
54-029-0005	NEW MANCHESTER - NEW MANCHE	4	139		4	154		4	208		167	Y
54-029-0007	NEW CUMBERLAND - R D #1, CR	4	113		4	147		4	134		131	Y
54-029-0008	CHESTER - ALLISON ELEMENTAR	4	133		4	120		4	126		126	Y
54-029-0009	WEIRTON - SUMMIT CIRCLE	4	131		4	163		4	142		145	Y
54-029-0015	LAWRENCEVILLE - COMMUNITY P	4	102		4	127		4	112		114	Y
54-029-1004	WEIRTON - OAK ST AND OWINGS	4	97		4	144		4	140		127	Y

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 AIR QUALITY SYSTEM
 PRELIMINARY DESIGN VALUE REPORT

Report Date: Nov. 25, 2015

Pollutant: Sulfur dioxide(42401)
Standard Units: Parts per billion(008)
NAAQS Standard: SO2 1-hour 2010
Statistic: Annual 99th Percentile

Design Value Year: 2010

REPORT EXCLUDES MEASUREMENTS WITH REGIONALLY CONCURRED EVENT FLAGS.

Level: 75 **State Name:** Ohio

<u>Site ID</u>	<u>STREET ADDRESS</u>	2010			2009			2008			3-Year	
		<u>Comp.</u> <u>Qtrrs</u>	<u>99th</u> <u>Percentile</u>	<u>Cert&</u> <u>Eval</u>	<u>Comp.</u> <u>Qtrrs</u>	<u>99th</u> <u>Percentile</u>	<u>Cert&</u> <u>Eval</u>	<u>Comp.</u> <u>Qtrrs</u>	<u>99th</u> <u>Percentile</u>	<u>Cert&</u> <u>Eval</u>	<u>Design</u> <u>Value</u>	<u>Valid</u> <u>Ind.</u>
39-081-0017	618 LOGAN ST.	4	127		4	85		4	135		116	Y

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 PRELIMINARY DESIGN VALUE REPORT

Report Date: Nov. 25, 2015

Pollutant: Sulfur dioxide(42401)

Design Value Year: 2010

Standard Units: Parts per billion(008)

REPORT EXCLUDES MEASUREMENTS WITH REGIONALLY CONCURRED EVENT FLAGS.

NAAQS Standard: SO2 1-hour 2010

Statistic: Annual 99th Percentile

Level: 75

State Name: West Virginia

Site ID	STREET ADDRESS	2010			2009			2008			3-Year	
		Comp. Qtrrs	99th Percentile	Cert& Eval	Comp. Qtrrs	99th Percentile	Cert& Eval	Comp. Qtrrs	99th Percentile	Cert& Eval	Design Value	Valid Ind.
54-009-0005	FOLLANSBEE - MAHAN LANE	4	131		4	82		4	168		127	Y
54-009-0007	MCKIMS RIDGE ROAD - CROSS C	4	92		4	81		4	137		103	Y
54-009-0011	WEIRTON - MARLAND HEIGHTS E	4	143		4	143		4	159		148	Y
54-029-0005	NEW MANCHESTER - NEW MANCHE	4	85		4	139		4	154		126	Y
54-029-0007	NEW CUMBERLAND - R D #1, CR	4	50		4	113		4	147		103	Y
54-029-0008	CHESTER - ALLISON ELEMENTAR	4	44		4	133		4	120		99	Y
54-029-0009	WEIRTON - SUMMIT CIRCLE	4	68		4	131		4	163		121	Y
54-029-0015	LAWRENCEVILLE - COMMUNITY P	4	68		4	102		4	127		99	Y
54-029-1004	WEIRTON - OAK ST AND OWINGS	4	51		4	97		4	144		97	Y

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 PRELIMINARY DESIGN VALUE REPORT

Report Date: Nov. 25, 2015

Pollutant: Sulfur dioxide(42401)
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NAAQS Standard: SO2 1-hour 2010
Statistic: Annual 99th Percentile

Design Value Year: 2011

REPORT EXCLUDES MEASUREMENTS WITH REGIONALLY CONCURRED EVENT FLAGS.

Level: 75 **State Name:** Ohio

Site ID	STREET ADDRESS	2011			2010			2009			3-Year	
		Comp. Qtrrs	99th Percentile	Cert& Eval	Comp. Qtrrs	99th Percentile	Cert& Eval	Comp. Qtrrs	99th Percentile	Cert& Eval	Design Value	Valid Ind.
39-081-0017	618 LOGAN ST.	4	114		4	127		4	85		109	Y
39-081-0018	3487 COUNTY RD. 19	4	55								55	N
39-081-0020	1469 3rd ST.	4	43								43	N

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
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Design Value Year: 2011

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Level: 75

State Name: West Virginia

Site ID	STREET ADDRESS	2011			2010			2009			3-Year	
		Comp. Qtrrs	99th Percentile	Cert& Eval	Comp. Qtrrs	99th Percentile	Cert& Eval	Comp. Qtrrs	99th Percentile	Cert& Eval	Design Value	Valid Ind.
54-009-0005	FOLLANSBEE - MAHAN LANE	4	143		4	131		4	82		119	Y
54-009-0007	MCKIMS RIDGE ROAD - CROSS C	4	75		4	92		4	81		83	Y
54-009-0011	WEIRTON - MARLAND HEIGHTS E	2	235 *		4	143		4	143		174	N
54-029-0005	NEW MANCHESTER - NEW MANCHE	4	33		4	85		4	139		86	Y
54-029-0007	NEW CUMBERLAND - R D #1, CR	3	36 *		4	50		4	113		66	Y
54-029-0008	CHESTER - ALLISON ELEMENTAR	4	30		4	44		4	133		69	Y
54-029-0009	WEIRTON - SUMMIT CIRCLE	4	66		4	68		4	131		88	Y
54-029-0015	LAWRENCEVILLE - COMMUNITY P	4	34		4	68		4	102		68	Y
54-029-1004	WEIRTON - OAK ST AND OWINGS	4	63		4	51		4	97		70	Y

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Pollutant: Sulfur dioxide(42401)
Standard Units: Parts per billion(008)
NAAQS Standard: SO2 1-hour 2010
Statistic: Annual 99th Percentile

Design Value Year: 2012
REPORT EXCLUDES MEASUREMENTS WITH REGIONALLY CONCURRED EVENT FLAGS.
State Name: Ohio

Site ID	STREET ADDRESS	2012			2011			2010			3-Year	
		Comp. Qtrrs	99th Percentile	Cert& Eval	Comp. Qtrrs	99th Percentile	Cert& Eval	Comp. Qtrrs	99th Percentile	Cert& Eval	Design Value	Valid Ind.
39-081-0017	618 LOGAN ST.	4	92	Y	4	114		4	127		111	Y
39-081-0018	3487 COUNTY RD. 19	4	37		4	55					46	N
39-081-0020	1469 3rd ST.	4	28		4	43					36	N

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NAAQS Standard: SO2 1-hour 2010
Statistic: Annual 99th Percentile

Design Value Year: 2012

REPORT EXCLUDES MEASUREMENTS WITH REGIONALLY CONCURRED EVENT FLAGS.

Level: 75

State Name: West Virginia

Site ID	STREET ADDRESS	2012			2011			2010			3-Year	
		Comp. Qtrs	99th Percentile	Cert& Eval	Comp. Qtrs	99th Percentile	Cert& Eval	Comp. Qtrs	99th Percentile	Cert& Eval	Design Value	Valid Ind.
54-009-0005	FOLLANSBEE - MAHAN LANE	4	71	Y	4	143		4	131		115	Y
54-009-0007	MCKIMS RIDGE ROAD - CROSS C	4	71	Y	4	75		4	92		79	Y
54-009-0011	WEIRTON - MARLAND HEIGHTS E	4	117	Y	2	235 *		4	143		165	N
54-029-0005	NEW MANCHESTER - NEW MANCHE	4	24	Y	4	33		4	85		47	Y
54-029-0007	NEW CUMBERLAND - R D #1, CR	4	34	Y	3	36 *		4	50		40	Y
54-029-0008	CHESTER - ALLISON ELEMENTAR	4	32	Y	4	30		4	44		35	Y
54-029-0009	WEIRTON - SUMMIT CIRCLE	4	44	Y	4	66		4	68		59	Y
54-029-0015	LAWRENCEVILLE - COMMUNITY P	4	27	Y	4	34		4	68		43	Y
54-029-1004	WEIRTON - OAK ST AND OWINGS	4	45	Y	4	63		4	51		53	Y

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
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Pollutant: Sulfur dioxide(42401)
Standard Units: Parts per billion(008)
NAAQS Standard: SO2 1-hour 2010
Statistic: Annual 99th Percentile

Design Value Year: 2013
REPORT EXCLUDES MEASUREMENTS WITH REGIONALLY CONCURRED EVENT FLAGS.
Level: 75
State Name: Ohio

Site ID	STREET ADDRESS	2013			2012			2011			3-Year	
		Comp. Qtrs	99th Percentile	Cert& Eval	Comp. Qtrs	99th Percentile	Cert& Eval	Comp. Qtrs	99th Percentile	Cert& Eval	Design Value	Valid Ind.
39-081-0017	618 LOGAN ST.	4	37		4	92	Y	4	114		81	Y
39-081-0018	3487 COUNTY RD. 19	4	52		4	37		4	55		48	Y
39-081-0020	1469 3rd ST.	4	33		4	28		4	43		35	Y

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 AIR QUALITY SYSTEM
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Standard Units: Parts per billion(008)
NAAQS Standard: SO2 1-hour 2010
Statistic: Annual 99th Percentile

Design Value Year: 2013

REPORT EXCLUDES MEASUREMENTS WITH REGIONALLY CONCURRED EVENT FLAGS.

Level: 75

State Name: West Virginia

Site ID	STREET ADDRESS	2013			2012			2011			3-Year	
		Comp. Qtrrs	99th Percentile	Cert& Eval	Comp. Qtrrs	99th Percentile	Cert& Eval	Comp. Qtrrs	99th Percentile	Cert& Eval	Design Value	Valid Ind.
54-009-0005	FOLLANSBEE - MAHAN LANE	4	49		4	71	Y	4	143		88	Y
54-009-0007	MCKIMS RIDGE ROAD - CROSS C	4	31		4	71	Y	4	75		59	Y
54-009-0011	WEIRTON - MARLAND HEIGHTS E	4	62		4	117	Y	2	235 *		138	N
54-029-0005	NEW MANCHESTER - NEW MANCHE	4	29		4	24	Y	4	33		29	Y
54-029-0007	NEW CUMBERLAND - R D #1, CR	4	23		4	34	Y	3	36 *		31	Y
54-029-0008	CHESTER - ALLISON ELEMENTAR	4	23		4	32	Y	4	30		28	Y
54-029-0009	WEIRTON - SUMMIT CIRCLE	4	22		4	44	Y	4	66		44	Y
54-029-0015	LAWRENCEVILLE - COMMUNITY P	4	40		4	27	Y	4	34		34	Y
54-029-1004	WEIRTON - OAK ST AND OWINGS	4	26		4	45	Y	4	63		45	Y

- Notes:**
1. Computed design values are a snapshot of the data at the time the report was run (may not be all data for year).
 2. Some PM2.5 24-hour DVs for incomplete data that are marked invalid here may be marked valid in the Official report due to additional analysis.
 3. Annual Values not meeting completeness criteria are marked with an asterisk ('*').

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 PRELIMINARY DESIGN VALUE REPORT

Report Date: Nov. 25, 2015

Pollutant: Sulfur dioxide(42401)
Standard Units: Parts per billion(008)
NAAQS Standard: SO2 1-hour 2010
Statistic: Annual 99th Percentile

Design Value Year: 2014

REPORT EXCLUDES MEASUREMENTS WITH REGIONALLY CONCURRED EVENT FLAGS.

Level: 75 **State Name:** Ohio

Site ID	STREET ADDRESS	2014			2013			2012			3-Year	
		Comp. Qtrrs	99th Percentile	Cert& Eval	Comp. Qtrrs	99th Percentile	Cert& Eval	Comp. Qtrrs	99th Percentile	Cert& Eval	Design Value	Valid Ind.
39-081-0017	618 LOGAN ST.	4	30	S	4	37		4	92	Y	53	Y
39-081-0018	3487 COUNTY RD. 19	4	38		4	52		4	37		42	Y
39-081-0020	1469 3rd ST.	4	24		4	33		4	28		28	Y

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 PRELIMINARY DESIGN VALUE REPORT

Report Date: Nov. 25, 2015

Pollutant: Sulfur dioxide(42401)
Standard Units: Parts per billion(008)
NAAQS Standard: SO2 1-hour 2010
Statistic: Annual 99th Percentile

Design Value Year: 2014

REPORT EXCLUDES MEASUREMENTS WITH REGIONALLY CONCURRED EVENT FLAGS.

Level: 75

State Name: West Virginia

Site ID	STREET ADDRESS	2014			2013			2012			3-Year	
		Comp. Qtrrs	99th Percentile	Cert& Eval	Comp. Qtrrs	99th Percentile	Cert& Eval	Comp. Qtrrs	99th Percentile	Cert& Eval	Design Value	Valid Ind.
54-009-0005	FOLLANSBEE - MAHAN LANE	4	33		4	49		4	71	Y	51	Y
54-009-0007	MCKIMS RIDGE ROAD - CROSS C	4	32		4	31		4	71	Y	45	Y
54-009-0011	WEIRTON - MARLAND HEIGHTS E	4	48		4	62		4	117	Y	76	Y
54-029-0005	NEW MANCHESTER - NEW MANCHE	4	34		4	29		4	24	Y	29	Y
54-029-0007	NEW CUMBERLAND - R D #1, CR	4	29		4	23		4	34	Y	29	Y
54-029-0008	CHESTER - ALLISON ELEMENTAR	4	23		4	23		4	32	Y	26	Y
54-029-0009	WEIRTON - SUMMIT CIRCLE	4	26		4	22		4	44	Y	31	Y
54-029-0015	LAWRENCEVILLE - COMMUNITY P	4	34		4	40		4	27	Y	34	Y
54-029-1004	WEIRTON - OAK ST AND OWINGS	4	28		4	26		4	45	Y	33	Y

- Notes:**
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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 PRELIMINARY DESIGN VALUE REPORT

Report Date: Nov. 25, 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).

- Notes:**
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