



west virginia department of environmental protection

Appendix A: Air Monitoring Data

West Virginia Division of Air Quality
601 57th Street, SE
Charleston, WV 25304

Promoting a healthy environment.

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Monitor Values Report

Geographic Area: Marshall County, WV

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
8712	177	172	161	365	41.1	38.8	0	10.55	None	1	540511002	Moundsville - Ng Armory, 1501 Ninth Street	Moundsville	Marshall	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: July 18, 2016

Monitor Values Report

Geographic Area: Marshall County, WV

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
8707	181	142	113	364	37.8	28.6	0	8.8	None	1	540511002	Moundsville - Ng Armory, 1501 Ninth Street	Moundsville	Marshall	WV	03

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Source: U.S. EPA AirData <<http://www.epa.gov/airdata>>
Generated: July 18, 2016

Monitor Values Report

Geographic Area: Marshall County, WV

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
8398	71	69	61	346	26.7	22	0	5.71	None	1	540511002	Moundsville - Ng Armory, 1501 Ninth Street	Moundsville	Marshall	WV	03

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

Generated: July 18, 2016

Monitor Values Report

Geographic Area: Marshall County, WV

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
8712	138	114	101	365	21.7	19.7	0	6.68	None	1	540511002	Moundsville - Ng Armory, 1501 Ninth Street	Moundsville	Marshall	WV	03

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

Generated: July 18, 2016

Monitor Values Report

Geographic Area: Marshall County, WV

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
8151	116	80	79	339	19.5	19.2	0	6.26	None	1	540511002	Moundsville - Ng Armory, 1501 Ninth Street	Moundsville	Marshall	WV	03

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Source: U.S. EPA AirData <<http://www.epa.gov/airdata>>
Generated: July 18, 2016

Monitor Values Report

Geographic Area: Marshall County, WV

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
8554	68	63	55	358	19.7	19.2	0	6.72	None	1	540511002	Moundsville - Ng Armory, 1501 Ninth Street	Moundsville	Marshall	WV	03

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Source: U.S. EPA AirData <http://www.epa.gov/airdata>
Generated: July 18, 2016

Monitor Values Report

Geographic Area: Marshall County, WV

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
7717	58	55	43	321	21.9	20.8	0	4.72*	None	1	540511002	Moundsville - Ng Armory, 1501 Ninth Street	Moundsville	Marshall	WV	03

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

Generated: July 18, 2016

Monitor Values Report

Geographic Area: Marshall County, WV

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
8710	58	53	43	365	16.8	14.5	0	2.51	None	1	540511002	Moundsville - Ng Armory, 1501 Ninth Street	Moundsville	Marshall	WV	03

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

Generated: July 18, 2016

Monitor Values Report

Geographic Area: Marshall County, WV

Pollutant: SO2

Year: 2015

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
8668	58	47	38	362	12	11.6	0	2.45	None	1	540511002	Moundsville - Ng Armory, 1501 Ninth Street	Moundsville	Marshall	WV	03

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

Generated: July 15, 2016

Monitor Values Report

Geographic Area: Marshall County, WV

Pollutant: SO2

Year: 2016

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
8639	10	9	8	361	4.2	4.1	0	1.71	None	1	540511002	Moundsville - Ng Armory, 1501 Ninth Street	Moundsville	Marshall	WV	03

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Source: U.S. EPA AirData <<https://www.epa.gov/air-data>>

Generated: March 12, 2018

Monitor Values Report

Geographic Area: Marshall County, WV

Pollutant: SO2

Year: 2017

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
8706	10	8	7	365	3.2	3.1	0	1.57	None	1	540511002	Moundsville - Ng Armory, 1501 Ninth Street	Moundsville	Marshall	WV	03

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Source: U.S. EPA AirData <<https://www.epa.gov/air-data>>

Generated: October 24, 2019

Monitor Values Report

Geographic Area: Marshall County, WV

Pollutant: SO2

Year: 2018

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
8696	11	10	9	365	3.8	3.3	0	1.58	None	1	540511002	Moundsville - Ng Armory, 1501 Ninth Street	Moundsville	Marshall	WV	03

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Source: U.S. EPA AirData <<https://www.epa.gov/air-data>>

Generated: October 24, 2019

Monitor Values Report

Geographic Area: Marshall County, WV

Pollutant: SO2

Year: 2019 (Annual statistics for 2019 are not final until May 1, 2020)

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
4254	21	9	9	181	6.4	3.2	0	1.40*	None	1	540511002	Moundsville - Ng Armory, 1501 Ninth Street	Moundsville	Marshall	WV	03

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Source: U.S. EPA AirData <<https://www.epa.gov/air-data>>

Generated: October 24, 2019

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User ID: FKQ

DESIGN VALUE REPORT

Report Request ID: 1463879

Report Code: AMP480

Jul. 15, 2016

GEOGRAPHIC SELECTIONS												
Tribal Code	State	County	Site	Parameter	POC	City	AQCR	UAR	CBSA	CSA	EPA Region	
	54	051										

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
2008	2015

APPLICABLE STANDARDS
Standard Description
SO2 1-hour 2010

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

Report Date: Jul. 15, 2016

- 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 ('*').

Page 1 of 10

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

Report Date: Jul. 15, 2016

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: West Virginia

Site ID	STREET ADDRESS	2008			2007			2006			3-Year	
		Comp. Qtrrs	99th Percentile	Cert& Eval	Comp. Qtrrs	99th Percentile	Cert& Eval	Comp. Qtrrs	99th Percentile	Cert& Eval	Design Value	Valid Ind.
54-051-1002	MOUNDSVILLE - NG ARMORY, 15	4	113		4	161		4	147		140	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).
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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 PRELIMINARY DESIGN VALUE REPORT

Report Date: Jul. 15, 2016

Pollutant: Sulfur dioxide(42401)

Design Value Year: 2009

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	2009			2008			2007			3-Year	
		Comp. Qtrrs	99th Percentile	Cert& Eval	Comp. Qtrrs	99th Percentile	Cert& Eval	Comp. Qtrrs	99th Percentile	Cert& Eval	Design Value	Valid Ind.
54-051-1002	MOUNDSVILLE - NG ARMORY, 15	4	61		4	113		4	161		112	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: Jul. 15, 2016

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: 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.
54-051-1002	MOUNDSVILLE - NG ARMORY, 15	4	101		4	61		4	113		92	Y

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

Report Date: Jul. 15, 2016

Pollutant: Sulfur dioxide(42401)
 Standard Units: Parts per billion(008)
 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: West Virginia

<u>Site ID</u>	<u>STREET ADDRESS</u>	2011			2010			2009			3-Year	
		<u>Comp.</u>	<u>99th</u>	<u>Cert&</u>	<u>Comp.</u>	<u>99th</u>	<u>Cert&</u>	<u>Comp.</u>	<u>99th</u>	<u>Cert&</u>	<u>Design</u>	<u>Valid</u>
		<u>Qtrrs</u>	<u>Percentile</u>	<u>Eval</u>	<u>Qtrrs</u>	<u>Percentile</u>	<u>Eval</u>	<u>Qtrrs</u>	<u>Percentile</u>	<u>Eval</u>	<u>Value</u>	<u>Ind.</u>
54-051-1002	MOUNDSVILLE - NG ARMORY, 15	4	79		4	101		4	61		80	Y

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

Report Date: Jul. 15, 2016

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.
 Level: 75 State Name: West Virginia

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.
54-051-1002	MOUNDSVILLE - NG ARMORY, 15	4	55	Y	4	79		4	101		78	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: Jul. 15, 2016

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: West Virginia

<u>Site ID</u>	<u>STREET ADDRESS</u>	2013			2012			2011			3-Year	
		<u>Comp.</u>	<u>99th</u>	<u>Cert&</u>	<u>Comp.</u>	<u>99th</u>	<u>Cert&</u>	<u>Comp.</u>	<u>99th</u>	<u>Cert&</u>	<u>Design</u>	<u>Valid</u>
		<u>Qtrrs</u>	<u>Percentile</u>	<u>Eval</u>	<u>Qtrrs</u>	<u>Percentile</u>	<u>Eval</u>	<u>Qtrrs</u>	<u>Percentile</u>	<u>Eval</u>	<u>Value</u>	<u>Ind.</u>
54-051-1002	MOUNDSVILLE - NG ARMORY, 15	3	43	*	4	55	Y	4	79		59	Y

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

Report Date: Jul. 15, 2016

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. Qtrs	99th Percentile	Cert& Eval	Comp. Qtrs	99th Percentile	Cert& Eval	Comp. Qtrs	99th Percentile	Cert& Eval	Design Value	Valid Ind.
54-051-1002	MOUNDSVILLE - NG ARMORY, 15	4	43		3	43 *		4	55	Y	47	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: Jul. 15, 2016

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

Design Value Year: 2015
 REPORT EXCLUDES MEASUREMENTS WITH REGIONALLY CONCURRED EVENT FLAGS.
 Level: 75 State Name: West Virginia

Site ID	STREET ADDRESS	2015			2014			2013			3-Year	
		Comp. Qtrrs	99th Percentile	Cert& Eval	Comp. Qtrrs	99th Percentile	Cert& Eval	Comp. Qtrrs	99th Percentile	Cert& Eval	Design Value	Valid Ind.
54-051-1002	MOUNDSVILLE - NG ARMORY, 15	4	38		4	43		3	43 *		41	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: Jul. 15, 2016

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:**
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 (*).

User ID: FKQ

DESIGN VALUE REPORT

Report Request ID: 1632669

Report Code: AMP480

Mar. 12, 2018

GEOGRAPHIC SELECTIONS

Tribal Code	State	County	Site	Parameter	POC	City	AQCR	UAR	CBSA	CSA	EPA Region
	54	051									

PROTOCOL SELECTIONS

Parameter Classification	Parameter	Method	Duration
DESIGN VALUE	42401		

SELECTED OPTIONS

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

DATE CRITERIA

Start Date	End Date
2016	2017

APPLICABLE STANDARDS

Standard Description
SO2 1-hour 2010

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

Report Date: Mar. 12, 2018

- 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 ('*').
- Marshall, WV 2010 1-hour SO2 Redesignation Request and Maintenance Plan

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

Report Date: Mar. 12, 2018

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

Design Value Year: 2016

REPORT EXCLUDES MEASUREMENTS WITH REGIONALLY CONCURRED EVENT FLAGS.

Level: 75

State Name: West Virginia

<u>Site ID</u>	<u>STREET ADDRESS</u>	2016			2015			2014			3-Year	
		<u>Comp. Qtrrs</u>	<u>99th Percentile</u>	<u>Cert& Eval</u>	<u>Comp. Qtrrs</u>	<u>99th Percentile</u>	<u>Cert& Eval</u>	<u>Comp. Qtrrs</u>	<u>99th Percentile</u>	<u>Cert& Eval</u>	<u>Design Value</u>	<u>Valid Ind.</u>
54-051-1002	MOUNDSVILLE - NG ARMORY, 15	4	8		4	38	Y	4	43	Y	30	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 ('*').
- Marshall, WV 2010 1-hour SO2 Redesignation Request and Maintenance Plan

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

Report Date: Mar. 12, 2018

Pollutant: Sulfur dioxide(42401)

Design Value Year: 2017

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

<u>Site ID</u>	<u>STREET ADDRESS</u>	2017			2016			2015			3-Year	
		<u>Comp. Qtrrs</u>	<u>99th Percentile</u>	<u>Cert& Eval</u>	<u>Comp. Qtrrs</u>	<u>99th Percentile</u>	<u>Cert& Eval</u>	<u>Comp. Qtrrs</u>	<u>99th Percentile</u>	<u>Cert& Eval</u>	<u>Design Value</u>	<u>Valid Ind.</u>
54-051-1002	MOUNDSVILLE - NG ARMORY, 15	4	7		4	8		4	38	Y	18	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 ('*').
- Marshall, WV 2010 1-hour SO2 Redesignation Request and Maintenance Plan

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

Report Date: Mar. 12, 2018

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:**
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 ('*').
- Marshall, WV 2010 1-hour SO2 Redesignation Request and Maintenance Plan

User ID: FKQ

DESIGN VALUE REPORT

Report Request ID: 1784867

Report Code: AMP480

Oct. 24, 2019

GEOGRAPHIC SELECTIONS

Tribal Code	State	County	Site	Parameter	POC	City	AQCR	UAR	CBSA	CSA	EPA Region
	54	051	1002								

PROTOCOL SELECTIONS

Parameter Classification	Parameter	Method	Duration
DESIGN VALUE	42401		

SELECTED OPTIONS

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

DATE CRITERIA

Start Date	End Date
2017	2019

APPLICABLE STANDARDS

Standard Description
SO2 1-hour 2010

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

Report Date: Oct. 24, 2019

- 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 ('*').
- Marshall, WV 2010 1-hour SO2 Redesignation Request and Maintenance Plan

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

Report Date: Oct. 24, 2019

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

Design Value Year: 2017

REPORT EXCLUDES MEASUREMENTS WITH REGIONALLY CONCURRED EVENT FLAGS.

Level: 75

State Name: West Virginia

<u>Site ID</u>	<u>STREET ADDRESS</u>	2017			2016			2015			3-Year	
		<u>Comp. Qtrrs</u>	<u>99th Percentile</u>	<u>Cert& Eval</u>	<u>Comp. Qtrrs</u>	<u>99th Percentile</u>	<u>Cert& Eval</u>	<u>Comp. Qtrrs</u>	<u>99th Percentile</u>	<u>Cert& Eval</u>	<u>Design Value</u>	<u>Valid Ind.</u>
54-051-1002	MOUNDSVILLE - NG ARMORY, 15	4	7	Y	4	8	Y	4	38	Y	18	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.
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- Marshall, WV 2010 1-hour SO2 Redesignation Request and Maintenance Plan

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

Report Date: Oct. 24, 2019

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

Design Value Year: 2018

REPORT EXCLUDES MEASUREMENTS WITH REGIONALLY CONCURRED EVENT FLAGS.

Level: 75

State Name: West Virginia

<u>Site ID</u>	<u>STREET ADDRESS</u>	2018			2017			2016			3-Year	
		<u>Comp. Qtrrs</u>	<u>99th Percentile</u>	<u>Cert& Eval</u>	<u>Comp. Qtrrs</u>	<u>99th Percentile</u>	<u>Cert& Eval</u>	<u>Comp. Qtrrs</u>	<u>99th Percentile</u>	<u>Cert& Eval</u>	<u>Design Value</u>	<u>Valid Ind.</u>
54-051-1002	MOUNDSVILLE - NG ARMORY, 15	4	9	S	4	7	Y	4	8	Y	8	Y

- Notes:**
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- Marshall, WV 2010 1-hour SO2 Redesignation Request and Maintenance Plan

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

Report Date: Oct. 24, 2019

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

Design Value Year: 2019

REPORT EXCLUDES MEASUREMENTS WITH REGIONALLY CONCURRED EVENT FLAGS.

Level: 75

State Name: West Virginia

<u>Site ID</u>	<u>STREET ADDRESS</u>	2019			2018			2017			3-Year	
		<u>Comp. Qtrrs</u>	<u>99th Percentile</u>	<u>Cert& Eval</u>	<u>Comp. Qtrrs</u>	<u>99th Percentile</u>	<u>Cert& Eval</u>	<u>Comp. Qtrrs</u>	<u>99th Percentile</u>	<u>Cert& Eval</u>	<u>Design Value</u>	<u>Valid Ind.</u>
54-051-1002	MOUNDSVILLE - NG ARMORY, 15	2	9 *		4	9	S	4	7	Y	8	N

- Notes:**
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- Marshall, WV 2010 1-hour SO2 Redesignation Request and Maintenance Plan

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

Report Date: Oct. 24, 2019

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.
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- Notes:**
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- Marshall, WV 2010 1-hour SO2 Redesignation Request and Maintenance Plan