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west virginia department of environmental protection

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# Appendix A: Air Monitoring Data

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Promoting a healthy environment.

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## West Virginia PM2.5

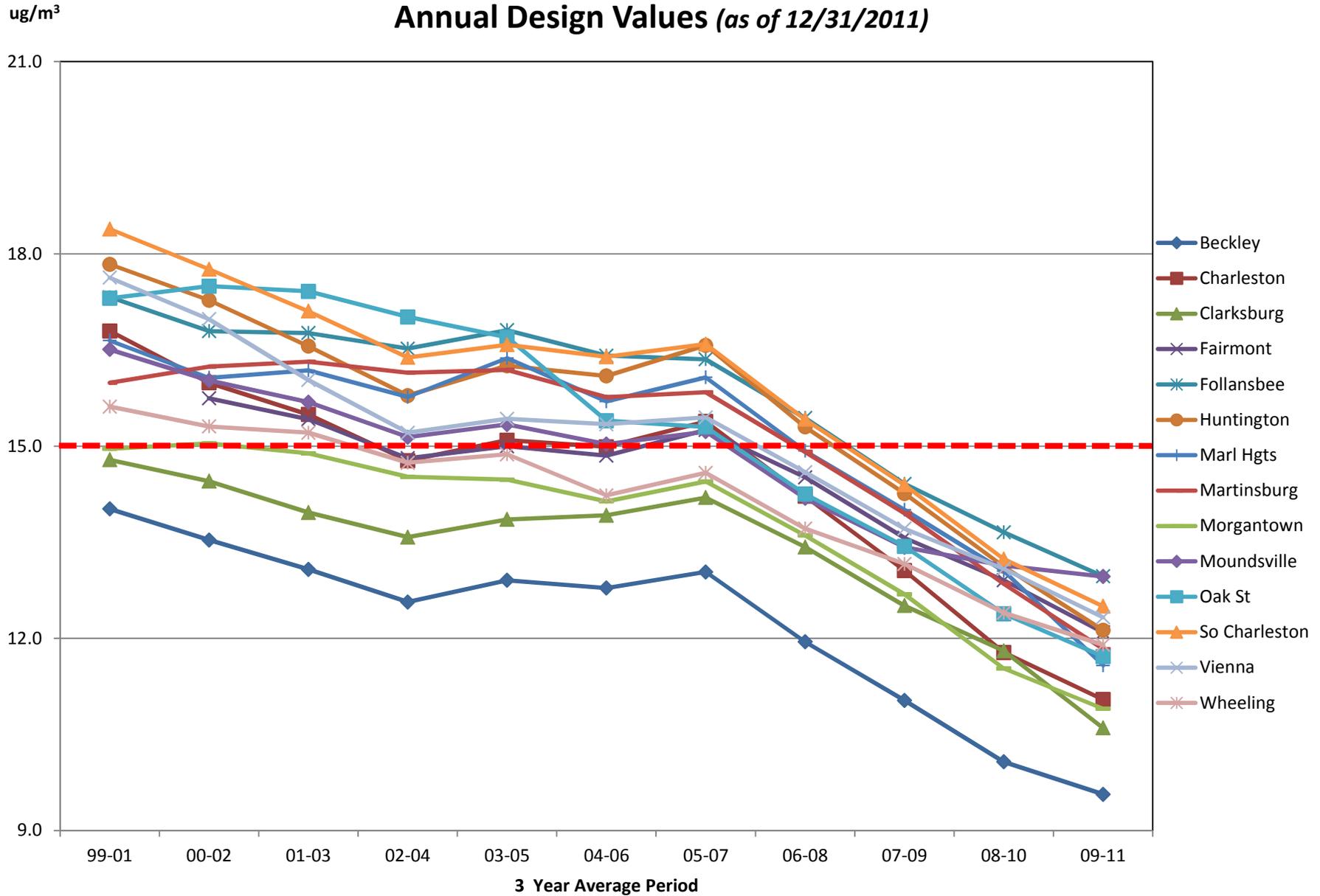
### Design Values

data as of 12/31/2011

County	Site	(NAAQS 24 hr 3 yr 98% = 35 ug/m3)									(Annual NAAQS <= 15.0 ug/m3)								
		01-03	02-04	03-05	04-06	05-07	06-08	07-09	08-10	09-11	01-03	02-04	03-05	04-06	05-07	06-08	07-09	08-10	09-11
Berkeley	Martinsburg	40	37	36	34	33	31	29	31	30	16.3	16.1	16.2	15.8	15.8	14.9	14.0	12.9	11.8
Brooke	Follansbee	42	44	42	40	37	37	34	31	27	16.8	16.5	16.8	16.4	16.4	15.4	14.4	13.7	13.0
	Weirton-Marl. Hgts	46	47	45	43	44	41	37	31	29	16.2	15.8	16.4	15.7	16.1	14.9	14.0	13.1	11.6
Cabell	Huntington	41	37	35	34	37	32	30	26	25	16.6	15.8	16.3	16.1	16.6	15.2	14.3	13.1	12.1
Hancock	Weirton-Oak St.	45	44	41	40	41	38	35	31	28	17.4	17.0	16.6	15.4	15.2	14.3	13.4	12.4	11.7
Harrison	Clarksburg	36	34	32	35	34	31	26	23	21	14.0	13.6	13.9	13.9	14.2	13.4	12.5	11.8	10.6
Kanawha	Charleston	37	34	34	35	36	34	29	25	24	15.5	14.8	15.1	15.0	15.4	14.2	13.1	11.8	11.0
	Guthrie				33	31							13.2	12.2					
	So. Charleston	40	36	36	37	38	36	32	28	26	17.1	16.4	16.6	16.4	16.6	15.4	14.4	13.2	12.5
Marion	Fairmont	39	36	34	34	34	32	28	26	26	15.4	14.8	15.0	14.9	15.3	14.5	13.6	12.9	12.1
Marshall	Moundsville	37	36	33	34	35	34	31	29	29	15.7	15.1	15.3	15.0	15.2	14.2	13.4	13.1	13.0
Mercer	Bluefield	34	32	33							12.5	12.1	12.8						
Monongalia	Morgantown	40	39	36	34	36	34	30	25	25	14.9	14.5	14.5	14.1	14.4	13.6	12.7	11.5	10.9
Ohio	Wheeling	36	35	32	31	32	31	29	26	26	15.2	14.7	14.9	14.2	14.6	13.7	13.2	12.4	11.9
Raleigh	Beckley	34	32	31	31	30	28	24	21	20	13.1	12.6	12.9	12.8	13.0	11.9	11.0	10.1	9.6
Summers	Keeney Knob	29	29	31							10.1	9.8	10.6						
Wood	Vienna	37	35	34	35	37	34	31	28	27	16.0	15.2	15.4	15.3	15.4	14.6	13.7	13.1	12.3

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## West Virginia PM2.5 Annual Design Values *(as of 12/31/2011)*



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## Monitor Values Report

**Geographic Area:** Wheeling, WV-OH

**Pollutant:** PM2.5

**Year:** 2000

**Exceptional Events:** Included (if any)

### Duration Description=24 HOUR

Duration Description	Obs	First Max	Second Max	Third Max	Fourth Max	98th Percentile	Weighted Annual Mean	Exc Events	Monitor Number	Site ID	Address	City	County	State	EPA Region
24 HOUR	105	37.9	36.3	33.8	33.4	34	16.4	None	1	540511002	Moundsville - Ng Armory, 1501 Ninth Street	Moundsville	Marshall	WV	03
24 HOUR	110	36.8	36	35.1	31.4	35	15.3	None	1	540690008	16th St And Chapline St	Wheeling	Ohio	WV	03

Get detailed information about this report, including column descriptions, at [http://www.epa.gov/airquality/airdata/ad\\_about\\_reports.html#mon](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: January 24, 2012

## Monitor Values Report

**Geographic Area:** Wheeling, WV-OH

**Pollutant:** PM2.5

**Year:** 2001

**Exceptional Events:** Included (if any)

### Duration Description=24 HOUR

Duration Description	Obs	First Max	Second Max	Third Max	Fourth Max	98th Percentile	Weighted Annual Mean	Exc Events	Monitor Number	Site ID	Address	City	County	State	EPA Region
24 HOUR	119	42.1	38.8	38.5	38	39	16	None	1	540511002	Moundsville - Ng Armory, 1501 Ninth Street	Moundsville	Marshall	WV	03
24 HOUR	114	45.7	40.7	37	35.8	37	15.6	None	1	540690008	16th St And Chapline St	Wheeling	Ohio	WV	03

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Source: U.S. EPA AirData <<http://www.epa.gov/airdata>>  
Generated: January 24, 2012

## Monitor Values Report

**Geographic Area:** Wheeling, WV-OH

**Pollutant:** PM2.5

**Year:** 2002

**Exceptional Events:** Included (if any)

### Duration Description=24 HOUR

Duration Description	Obs	First Max	Second Max	Third Max	Fourth Max	98th Percentile	Weighted Annual Mean	Exc Events	Monitor Number	Site ID	Address	City	County	State	EPA Region
24 HOUR	112	59.6	45.3	39.7	39.2	40	15.6	None	1	540511002	Moundsville - Ng Armory, 1501 Ninth Street	Moundsville	Marshall	WV	03
24 HOUR	120	53.1	46.3	40.9	40	41	15	None	1	540690008	16th St And Chapline St	Wheeling	Ohio	WV	03

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Source: U.S. EPA AirData <<http://www.epa.gov/airdata>>  
Generated: January 24, 2012

## Monitor Values Report

**Geographic Area:** Wheeling, WV-OH

**Pollutant:** PM2.5

**Year:** 2003

**Exceptional Events:** Included (if any)

### Duration Description=24 HOUR

Duration Description	Obs	First Max	Second Max	Third Max	Fourth Max	98th Percentile	Weighted Annual Mean	Exc Events	Monitor Number	Site ID	Address	City	County	State	EPA Region
24 HOUR	113	58.8	42.8	33	27.8	33	15.4	None	1	540511002	Moundsville - Ng Armory, 1501 Ninth Street	Moundsville	Marshall	WV	03
24 HOUR	118	57.2	41.7	29.7	29.4	30	15.1	None	1	540690008	16th St And Chapline St	Wheeling	Ohio	WV	03

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Source: U.S. EPA AirData <http://www.epa.gov/airdata>  
Generated: January 24, 2012

## Monitor Values Report

**Geographic Area:** Wheeling, WV-OH

**Pollutant:** PM2.5

**Year:** 2004

**Exceptional Events:** Included (if any)

### Duration Description=24 HOUR

Duration Description	Obs	First Max	Second Max	Third Max	Fourth Max	98th Percentile	Weighted Annual Mean	Exc Events	Monitor Number	Site ID	Address	City	County	State	EPA Region
24 HOUR	120	45.4	34.8	34.8	30.2	35	14.4	None	1	540511002	Moundsville - Ng Armory, 1501 Ninth Street	Moundsville	Marshall	WV	03
24 HOUR	117	47.1	35.8	33.6	32.8	34	14.1	None	1	540690008	16th St And Chapline St	Wheeling	Ohio	WV	03

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Source: U.S. EPA AirData <http://www.epa.gov/airdata>  
Generated: January 24, 2012

## Monitor Values Report

**Geographic Area:** Wheeling, WV-OH

**Pollutant:** PM2.5

**Year:** 2005

**Exceptional Events:** Included (if any)

### Duration Description=24 HOUR

Duration Description	Obs	First Max	Second Max	Third Max	Fourth Max	98th Percentile	Weighted Annual Mean	Exc Events	Monitor Number	Site ID	Address	City	County	State	EPA Region
24 HOUR	121	51.2	38.2	32	31.9	32	16.2	None	1	540511002	Moundsville - Ng Armory, 1501 Ninth Street	Moundsville	Marshall	WV	03
24 HOUR	121	53.9	39.2	31.3	30.9	31	15.4	None	1	540690010	Wheeling - Warwood Water Plant	Wheeling	Ohio	WV	03

Get detailed information about this report, including column descriptions, at [http://www.epa.gov/airquality/airdata/ad\\_about\\_reports.html#mon](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: January 24, 2012

## Monitor Values Report

**Geographic Area:** Wheeling, WV-OH

**Pollutant:** PM2.5

**Year:** 2006

**Exceptional Events:** Included (if any)

### Duration Description=24 HOUR

Duration Description	Obs	First Max	Second Max	Third Max	Fourth Max	98th Percentile	Weighted Annual Mean	Exc Events	Monitor Number	Site ID	Address	City	County	State	EPA Region
24 HOUR	121	37.7	35	34.7	33.7	35	14.5	None	1	540511002	Moundsville - Ng Armory, 1501 Ninth Street	Moundsville	Marshall	WV	03
24 HOUR	119	35.2	31.9	27.5	27.5	28	13.1	None	1	540690010	Wheeling - Warwood Water Plant	Wheeling	Ohio	WV	03

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Source: U.S. EPA AirData <<http://www.epa.gov/airdata>>  
Generated: January 24, 2012

## Monitor Values Report

**Geographic Area:** Wheeling, WV-OH

**Pollutant:** PM2.5

**Year:** 2007

**Exceptional Events:** Included (if any)

### Duration Description=24 HOUR

Duration Description	Obs	First Max	Second Max	Third Max	Fourth Max	98th Percentile	Weighted Annual Mean	Exc Events	Monitor Number	Site ID	Address	City	County	State	EPA Region
24 HOUR	351	47.5	46.2	41.5	40.2	38	15	None	1	540511002	Moundsville - Ng Armory, 1501 Ninth Street	Moundsville	Marshall	WV	03
24 HOUR	117	50.7	38.8	37.2	36.9	37	15.2	None	1	540690010	Wheeling - Warwood Water Plant	Wheeling	Ohio	WV	03

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Source: U.S. EPA AirData <<http://www.epa.gov/airdata>>  
Generated: January 24, 2012

## Monitor Values Report

**Geographic Area:** Wheeling, WV-OH

**Pollutant:** PM2.5

**Year:** 2008

**Exceptional Events:** Included (if any)

### Duration Description=24 HOUR

Duration Description	Obs	First Max	Second Max	Third Max	Fourth Max	98th Percentile	Weighted Annual Mean	Exc Events	Monitor Number	Site ID	Address	City	County	State	EPA Region
24 HOUR	361	40.4	40.1	38.9	36.5	29	13.1	None	1	540511002	Moundsville - Ng Armory, 1501 Ninth Street	Moundsville	Marshall	WV	03
24 HOUR	121	32.5	30.5	27.2	26.4	27	12.8	None	1	540690010	Wheeling - Warwood Water Plant	Wheeling	Ohio	WV	03

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Source: U.S. EPA AirData <<http://www.epa.gov/airdata>>  
Generated: January 24, 2012

## Monitor Values Report

**Geographic Area:** Wheeling, WV-OH

**Pollutant:** PM2.5

**Year:** 2009

**Exceptional Events:** Included (if any)

### Duration Description=24 HOUR

Duration Description	Obs	First Max	Second Max	Third Max	Fourth Max	98th Percentile	Weighted Annual Mean	Exc Events	Monitor Number	Site ID	Address	City	County	State	EPA Region
24 HOUR	359	29	28.8	27.7	26.7	26	12.2	None	1	540511002	Moundsville - Ng Armory, 1501 Ninth Street	Moundsville	Marshall	WV	03
24 HOUR	119	24.5	24.2	23.2	23	23	11.5	None	1	540690010	Wheeling - Warwood Water Plant	Wheeling	Ohio	WV	03

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Generated: January 24, 2012

## Monitor Values Report

**Geographic Area:** Wheeling, WV-OH

**Pollutant:** PM2.5

**Year:** 2010

**Exceptional Events:** Included (if any)

**Duration Description=24 HOUR**

Duration Description	Obs	First Max	Second Max	Third Max	Fourth Max	98th Percentile	Weighted Annual Mean	Exc Events	Monitor Number	Site ID	Address	City	County	State	EPA Region
24 HOUR	117	38.5	34.3	33.5	32.1	34	14.1	None	1	540511002	Moundsville - Ng Armory, 1501 Ninth Street	Moundsville	Marshall	WV	03
24 HOUR	119	30.5	28.7	28.2	27.6	28	12.9	None	1	540690010	Wheeling - Warwood Water Plant	Wheeling	Ohio	WV	03

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Source: U.S. EPA AirData <<http://www.epa.gov/airdata>>  
Generated: January 24, 2012

## Monitor Values Report

**Geographic Area:** Wheeling, WV-OH

**Pollutant:** PM2.5

**Year:** 2011 (Annual statistics for 2011 are not final until May 1, 2012)

**Exceptional Events:** Included (if any)

### Duration Description=24 HOUR

Duration Description	Obs	First Max	Second Max	Third Max	Fourth Max	98th Percentile	Weighted Annual Mean	Exc Events	Monitor Number	Site ID	Address	City	County	State	EPA Region
24 HOUR	87	31.9	30.8	28.6	28.3	31	13.1	None	1	540511002	Moundsville - Ng Armory, 1501 Ninth Street	Moundsville	Marshall	WV	03
24 HOUR	91	27.7	27.5	27.5	25	28	11.9	None	1	540690010	Wheeling - Warwood Water Plant	Wheeling	Ohio	WV	03

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