



---

west virginia department of environmental protection

---

Executive Office  
601 57<sup>th</sup> Street SE  
Charleston, WV 25304

Earl Ray Tomblin, Governor  
Randy C. Huffman, Cabinet Secretary  
dep.wv.gov

December 10, 2013

Mr. Shawn M. Garvin  
Regional Administrator  
U.S. EPA Region III (3RA00)  
1650 Arch Street  
Philadelphia, PA 19103-2029

RE: West Virginia Preliminary Area  
Designations Under the 2012 PM<sub>2.5</sub>  
National Ambient Air Quality Standards

Dear Administrator Garvin:

EPA most recently revised the National Ambient Air Quality Standards (NAAQS) for fine particulate matter (PM<sub>2.5</sub>) on December 14, 2012 and the related notice was subsequently published in the *Federal Register* on January 15, 2013 [78 FR 3086]. Within one year of a new NAAQS promulgation, states are required to submit lists of all areas in their boundaries as *attainment*, *nonattainment* or *unclassifiable*. West Virginia is attaching to this letter such a list, which provides a preliminary assessment of all areas within the State. Naturally, this list is subject to change as the fourth-quarter 2013 data is finalized and the succeeding annual values are quality assured and certified to complete the three year period 2011-2013 data required to calculate the final design value.

As shown in Attachment 2, the list was compiled by substituting the highest quarterly average PM<sub>2.5</sub> values observed from the previous three years, to derive surrogate 2013 fourth-quarter averages. This approach uses the available 2011-2013 monitoring data, supplemented by the substituted values. The methodology provides a conservative estimate (i.e. biased high) of the 2013 annual design value used in the three-year overall design value, while also accounting for the decreasing trend observed in PM<sub>2.5</sub> concentrations statewide. We plan to send a formal design value update to EPA once the complete 2013 data is fully quality assured and certified.

If you have any questions regarding this submittal or require additional information, please contact John A. Benedict, Director of the Division of Air Quality at (304) 926-0462.

Sincerely,

Randy C. Huffman  
Cabinet Secretary

RCH/wfd

cc: Diana Esher (3AP00)  
John A. Benedict

Attachments (2)

**State of West Virginia**  
**2012 PM<sub>2.5</sub> National Ambient Air Quality Standards**  
**Preliminary Area Designations**  
**December 2013**

WEST VIRGINIA.– 2012 PM<sub>2.5</sub> NAAQS  
 [Primary and secondary]

Designated area	Designation Type
-----------------	------------------

Statewide: .....Unclassifiable/Attainment.

- Barbour
- Berkeley
- Boone
- Braxton
- Brooke
- Cabell
- Calhoun
- Clay
- Doddridge
- Fayette
- Gilmer
- Grant
- Greenbrier
- Hampshire
- Hancock
- Hardy
- Harrison
- Jackson
- Jefferson
- Kanawha
- Lewis
- Lincoln
- Logan
- Marion
- Marshall
- Mason
- McDowell
- Mercer
- Mineral
- Mingo
- Monongalia
- Monroe
- Morgan
- Nicholas
- Ohio
- Pendleton
- Pleasants
- Pocahontas
- Preston
- Putnam
- Raleigh
- Randolph
- Ritchie
- Roane
- Summers
- Taylor
- Tucker
- Tyler
- Upshur
- Wayne
- Webster
- Wetzel
- Wirt
- Wood
- Wyoming

**West Virginia Preliminary Design Value Summary by Area for the 2012 PM<sub>2.5</sub> NAAQS**  
December 2013

Site	2010 Q4	2011 Q1	2011 Q2	2011 Q3	2011 Q4	2011 annual mean	2012 Q1	2012 Q2	2012 Q3	2012 Q4	2012 annual mean	2013 Q1	2013 Q2	2013 Q3	2013 Q4 Surrogate <sup>2</sup>	2013 Surrogate annual mean	2011-2013 Surrogate Design Value
Beckley	8.16	7.89	9.81	12.93	6.05	9.17	6.54	9.24	10.39	7.15	8.33	6.50	7.76	10.14	8.16	8.14	<b>8.5</b>
Charleston	9.80	10.44	10.79	13.81	7.51	10.64	8.41	10.79	11.87	8.32	9.85	8.65	8.32	10.60	9.80	9.34	<b>9.9</b>
Clarksburg <sup>1</sup>	9.99	10.12	11.87	13.85	8.18	11.01	9.12	9.84	10.94	8.75	9.66	8.83	9.39	10.40	9.99	9.65	<b>10.1</b>
Fairmont	11.62	10.70	10.92	13.88	9.45	11.24	9.74	10.38	11.41	9.78	10.33	9.82	9.61	10.16	11.62	10.30	<b>10.6</b>
Follansbee	12.05	13.14	11.80	14.58	10.94	12.62	10.13	11.03	12.99	10.79	11.24	11.29	11.15	12.56	12.05	11.76	<b>11.9</b>
Huntington	11.19	11.97	10.25	13.15	9.30	11.17	9.34	11.19	12.13	9.42	10.52	8.98	9.69	10.96	11.19	10.21	<b>10.6</b>
Martinsburg <sup>2</sup>	11.46	11.43	10.40	11.87	10.82	11.13	11.37	8.56	10.80	14.53	11.32	9.50	9.43	9.86	14.53	10.83	<b>11.1</b>
Morgantown	8.39	9.60	10.85	14.29	7.69	10.61	8.00	8.36	11.18	7.93	8.87	9.38	9.31	10.55	8.39	9.41	<b>9.6</b>
Moundsville	12.66	13.57	11.50	14.37	10.81	12.56	11.60	11.34	12.44	11.84	11.81	10.56	10.47	11.70	12.66	11.35	<b>11.9</b>
South Charleston	11.39	12.23	11.85	14.93	8.87	11.97	9.66	11.30	12.31	9.97	10.81	9.89	9.52	11.22	11.39	10.51	<b>11.1</b>
Vienna	11.67	11.42	11.60	14.37	8.89	11.57	9.19	10.74	11.91	9.51	10.34	9.59	9.12	10.81	11.67	10.30	<b>10.7</b>
Marland Heights <sup>1</sup>	12.25	10.30	12.44	15.64	10.59	12.24	9.84	10.17	12.16	10.32	10.62	9.79	10.43	11.97	12.25	11.11	<b>11.3</b>
Oak Street	10.82	10.81	10.63	14.88	8.99	11.33	9.01	9.99	12.14	9.08	10.06	9.29	10.40	12.57	10.82	10.77	<b>10.7</b>
Warwood	10.91	11.31	10.67	13.85	9.38	11.30	9.15	10.33	12.34	9.96	10.45	9.77	10.25	12.35	10.91	10.82	<b>10.9</b>

<sup>1</sup>For the sites of Clarksburg and Marland Heights, Q2 and Q3 2011 data recovery was less than 75%. In these cases, we used the highest 2<sup>nd</sup> and 3<sup>rd</sup> quarter values within the past three years. In both cases the data used is Q2 and Q3 2010.

<sup>2</sup>Substituted Q4 2013 data using the highest 4th quarter value within the past 3 years. In all cases, with the exception of Martinsburg, Q4 2010 data was used. For Martinsburg, we used Q4 2012.