



west virginia department of environmental protection

Executive Office
601 57th 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_{2.5}
National Ambient Air Quality Standards

Dear Administrator Garvin:

EPA most recently revised the National Ambient Air Quality Standards (NAAQS) for fine particulate matter (PM_{2.5}) 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_{2.5} 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_{2.5} 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_{2.5} National Ambient Air Quality Standards
Preliminary Area Designations
December 2013

WEST VIRGINIA.– 2012 PM_{2.5} NAAQS
[Primary and secondary]

Designated area	Designation Type
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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_{2.5} 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 ²	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	8.5
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	9.9
Clarksburg ¹	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	10.1
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	10.6
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	11.9
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	10.6
Martinsburg ²	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	11.1
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	9.6
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	11.9
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	11.1
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	10.7
Marland Heights ¹	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	11.3
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	10.7
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	10.9

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

²Substituted 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.