



west virginia department of environmental protection

Executive Office
601 57th ST SE
Charleston, WV 25304

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

May 23, 2011

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

RE: West Virginia Area Designations
Under the June 2010 Sulfur Dioxide
NAAQS

Dear Administrator Garvin:

In a letter dated March 29, 2011 to DEP's Division of Air Quality Director, John Benedict, the Air Protection Division Director of EPA Region 3 advised that initial state designations under the June 2010 Sulfur Dioxide (SO₂) National Ambient Air Quality Standards (NAAQS) were required by June 3, 2011. The letter accompanied a related memo which provided detailed, but non-binding, guidance that states may consider in making their initial nonattainment and boundary designations. EPA suggests dispersion modeling as a tool for informing attainment decisions but acknowledges that it is not required, nor generally expected, for initial designations. DEP has primarily based its preliminary designations upon available monitoring and emissions data.

Specifically, if a monitored county has data that indicates a violation during the period 2008-2010, it is listed as nonattainment, with the presumptive area boundary identical to the county boundary. Unmonitored counties that have cumulative major point source emissions below 100 tons per year are presumed to be attainment areas. The remaining counties are designated as unclassifiable. The designations and related documentation are attached. If you have any questions or need further information, please contact John Benedict at (304) 926-0462.

Sincerely,

Randy Huffman
Cabinet Secretary

cc: Diana Esher (3AP00)
John Benedict

Attachments

State of West Virginia
2010 Sulfur Dioxide National Ambient Air Quality Standards
Preliminary Area Designations
May 2011

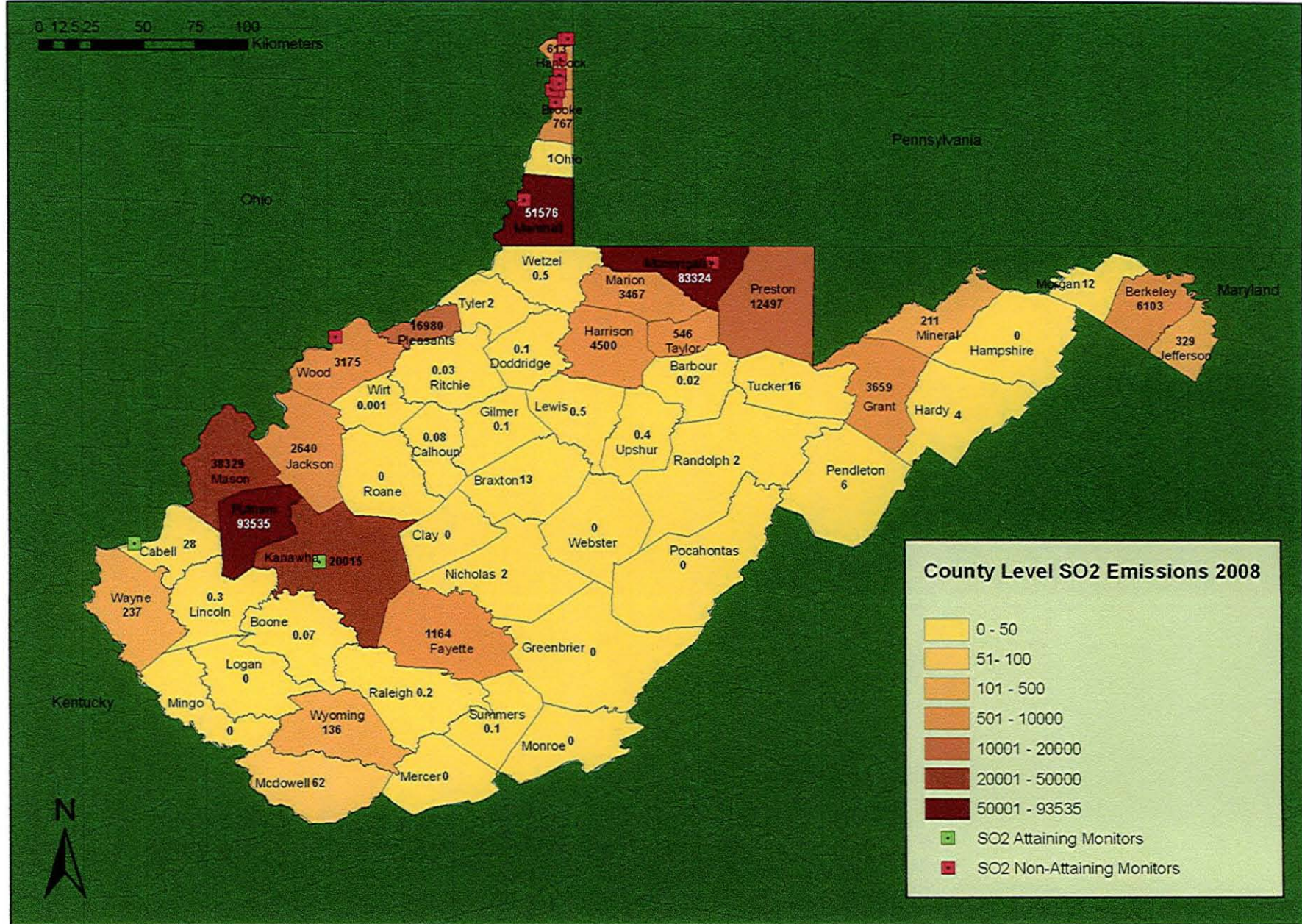
WEST VIRGINIA.—Sulfur Dioxide (SO₂)

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

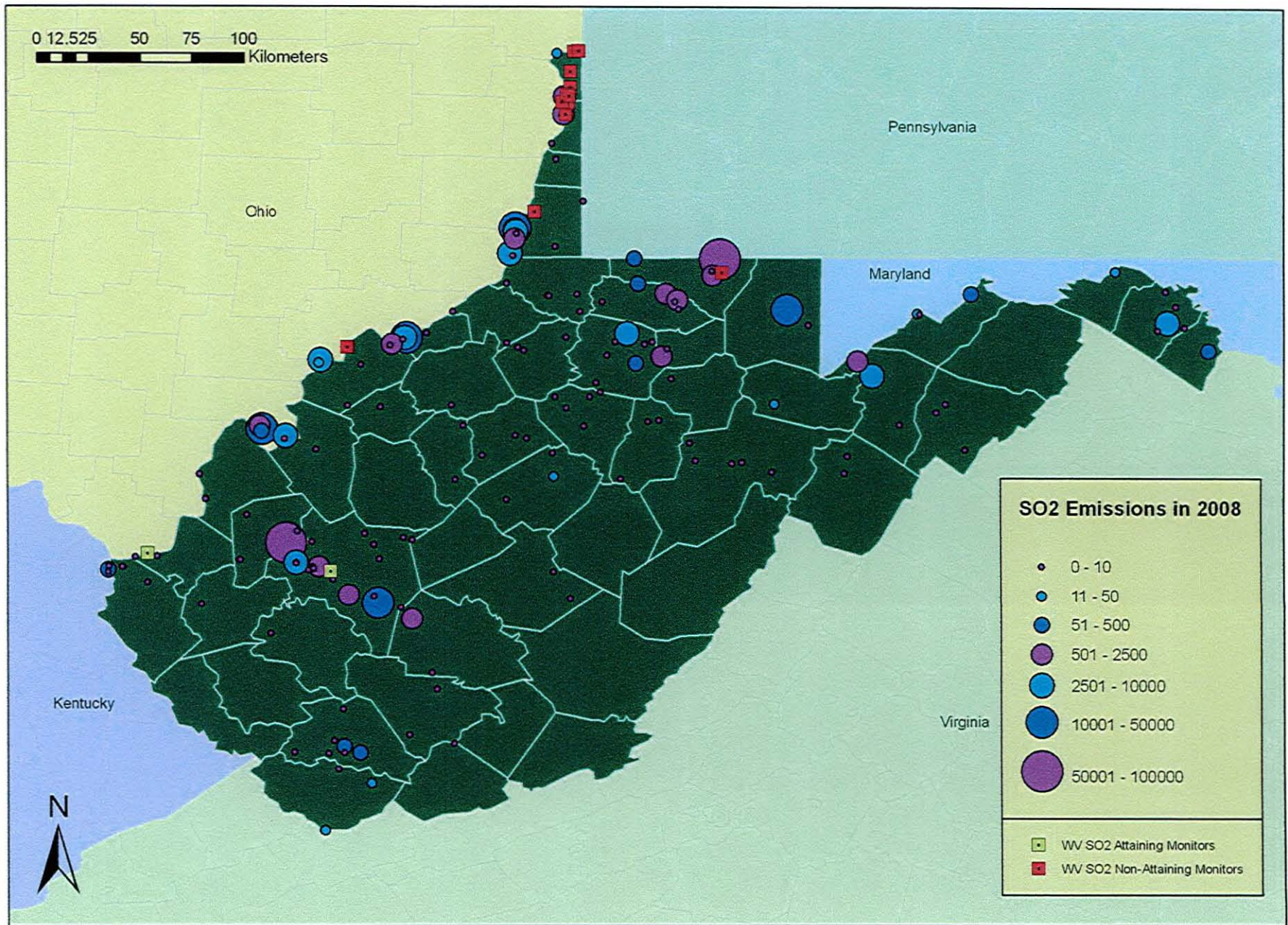
**West Virginia Title V Major Source
Cumulative SO₂
Emissions by County**

County	CY 2008 SO₂ tons per year	Monitor Status	Designation
Brooke	767	Violate	Nonattainment
Hancock	613	Violate	Nonattainment
Marshall	51,576	Violate	Nonattainment
Monongalia	83,324	Violate	Nonattainment
Wood	3,175	Violate	Nonattainment
Berkeley	6,103		Unclassifiable
Fayette	1,164		Unclassifiable
Grant	3,659		Unclassifiable
Harrison	4,500		Unclassifiable
Jackson	2,640		Unclassifiable
Jefferson	329		Unclassifiable
Kanawha	20,015	Attaining	Unclassifiable
Marion	3,467		Unclassifiable
Mason	38,329		Unclassifiable
Mineral	211		Unclassifiable
Pleasants	16,980		Unclassifiable
Preston	12,497		Unclassifiable
Putnam	93,535		Unclassifiable
Taylor	546		Unclassifiable
Wayne	237		Unclassifiable
Wyoming	136		Unclassifiable
Barbour	0		Attainment
Boone	0		Attainment
Braxton	13		Attainment
Cabell	28	Attaining	Attainment
Calhoun	0		Attainment
Clay	0		Attainment
Doddridge	0		Attainment
Gilmer	0		Attainment
Greenbrier	0		Attainment
Hampshire	0		Attainment
Hardy	4		Attainment
Lewis	1		Attainment
Lincoln	0		Attainment
Logan	0		Attainment
Mcdowell	62		Attainment
Mercer	0		Attainment
Mingo	0		Attainment
Monroe	0		Attainment
Morgan	12		Attainment
Nicholas	2		Attainment
Ohio	1		Attainment
Pendleton	6		Attainment
Pocahontas	0		Attainment
Raleigh	0		Attainment
Randolph	2		Attainment
Ritchie	0		Attainment
Roane	0		Attainment
Summers	0		Attainment
Tucker	16		Attainment
Tyler	2		Attainment
Upshur	0		Attainment
Webster	0		Attainment
Wetzel	1		Attainment
Wirt	0		Attainment

WV County 2008 SO2 Emissions



2008 WV SO2 Sources



West Virginia SO₂ 3 Year 99% Daily 1-Hour Max Averages (NAAQS = 75 ppb)

