

Region III Plan Summary
2011 Base Year Emissions Inventory for the Marshall, West Virginia Nonattainment Area
for the 2010 1-Hour Sulfur Dioxide NAAQS

Title: Approval of the 2011 Base Year Emissions Inventory for the Marshall, West Virginia Nonattainment Area for the 2010 1-Hour Sulfur Dioxide NAAQS

Federal Register Dates: Direct Final Rule 80 FR 45613 (July 31, 2015) Proposed Rule 80 FR 45629 (July 31, 2015)

EPA Effective date: September 29, 2015

State Submittal Date: May 6, 2015

Affected Area: The Marshall Area is comprised of Clay, Franklin, and Washington Tax Districts in Marshall County, West Virginia.

Summary of the Plan:

In June 2010, EPA promulgated a new 1-hour primary SO₂ NAAQS of 75 parts per billion (ppb), which is met at an ambient air quality monitoring site when the 3-year average of the annual 99th percentile of 1-hour daily maximum concentrations does not exceed 75 ppb, as determined in accordance with Appendix T of 40 CFR part 50. See 40 CFR 50.17(a)-(b). On August 5, 2013, the EPA designated 29 areas of the country, including the Marshall Area, as nonattainment for the 2010 SO₂ NAAQS (77 FR 47191).

The Environmental Protection Agency (EPA) took direct final action to approve the 2011 base year emissions inventory submitted by the State of West Virginia for the 2010 1-hour sulfur dioxide (SO₂) National Ambient Air Quality Standard (NAAQS). **The emissions inventory was submitted to meet one of the nonattainment requirements for the Marshall, West Virginia nonattainment area (Marshall Area or Area) for the 2010 1-hour SO₂ NAAQS.** EPA has approved the 2011 base year emissions inventory for the 2010 1-hour SO₂ NAAQS for the Marshall Area as submitted on May 6, 2015 by the West Virginia Department of Environmental Protection (WVDEP) in order to meet the requirements of CAA section 172(c)(3).

Emissions Inventory:

States are required under section 172(c)(3) of the CAA to develop comprehensive, accurate and current accounting of actual emissions from all sources (point, nonpoint, nonroad and on road) in the nonattainment area. The CAA Section 182 (a)(1) that areas designated as nonattainment and classified as marginal are to submit an inventory of all sources of ozone precursors no later than 2 years after the effective date of designation.

The State's base year inventory includes actual annual emissions of SO₂ that cover the general source categories of stationary point sources, stationary nonpoint sources, nonroad mobile sources, and onroad mobile sources. For the purpose of the base year inventory, emissions from the entire county were submitted. WVDEP used emissions from EPA's 2011 National Emissions Inventory (NEI) version 2 for the base year inventory. EPA reviewed the results, procedures, and methodologies for the base year inventory and found them to be acceptable.

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