

PUBLIC HEARING ON
PROPOSED AREA BOUNDARY RECOMMENDATIONS
FOR THE 2010 SULFUR DIOXIDE STANDARD: DECEMBER 2017 DESIGNATIONS

The Missouri Department of Natural Resources' Air Pollution Control Program is proposing to submit area boundary recommendations for the 2010 sulfur dioxide (SO₂) standard to the U.S. Environmental Protection Agency (EPA).

In 2010, the EPA strengthened the 1-hour SO₂ National Ambient Air Quality Standard (NAAQS) to 75 parts per billion. Missouri is proposing to recommend area designations (e.g. attainment, nonattainment, unclassifiable) for this revised standard in accordance with the Clean Air Act. These recommendations address seven areas of the state containing sources identified as meeting criteria specified in the federal Data Requirements Rule (DRR) for future rounds of SO₂ designations. In the DRR, EPA requires the evaluation of sources which were not previously designated as nonattainment and emit more than 2,000 tons of SO₂ in the most recent certified emission year [2014]. Sixteen sources in Missouri are affected by the DRR. Seven sources have elected to characterize their surrounding air quality through air dispersion modeling. This recommendation covers those seven areas: the Ameren Meramec Energy Center, Empire District - Asbury plant, Montrose Generating Station, Sibley Generating Station, Sikeston Power Station, City Utilities of Springfield - John Twitty Energy Center, and the Thomas Hill Energy Center Power Division. The proposed recommendations are based on technical evaluations of these seven areas using air quality modeling in accordance with the EPA's Area Designations Memorandum (March 2015).

The air program intends to submit these recommendations to EPA by January 13, 2017. EPA must finalize designations for these areas by December 31, 2017. The remaining nine Missouri sources affected by the DRR are also discussed, but EPA is not required to designate these areas until December 31, 2020. This action will not be submitted for inclusion in the Missouri State Implementation Plan.

The complete recommendation has not been reprinted in the briefing document due to its volume. However, the Summary of Recommendation section is included for reference. The entire recommendation is available for review at the Missouri Department of Natural Resources' Air Pollution Control Program, 1659 East Elm Street, Jefferson City, Missouri 65101, (573) 751- 4817. It is also available online at <http://dnr.mo.gov/env/apcp/stateplanrevisions.htm>.

If the commission adopts this area boundary recommendation, the department intends to submit it to the U.S. EPA.

Summary of Recommendation

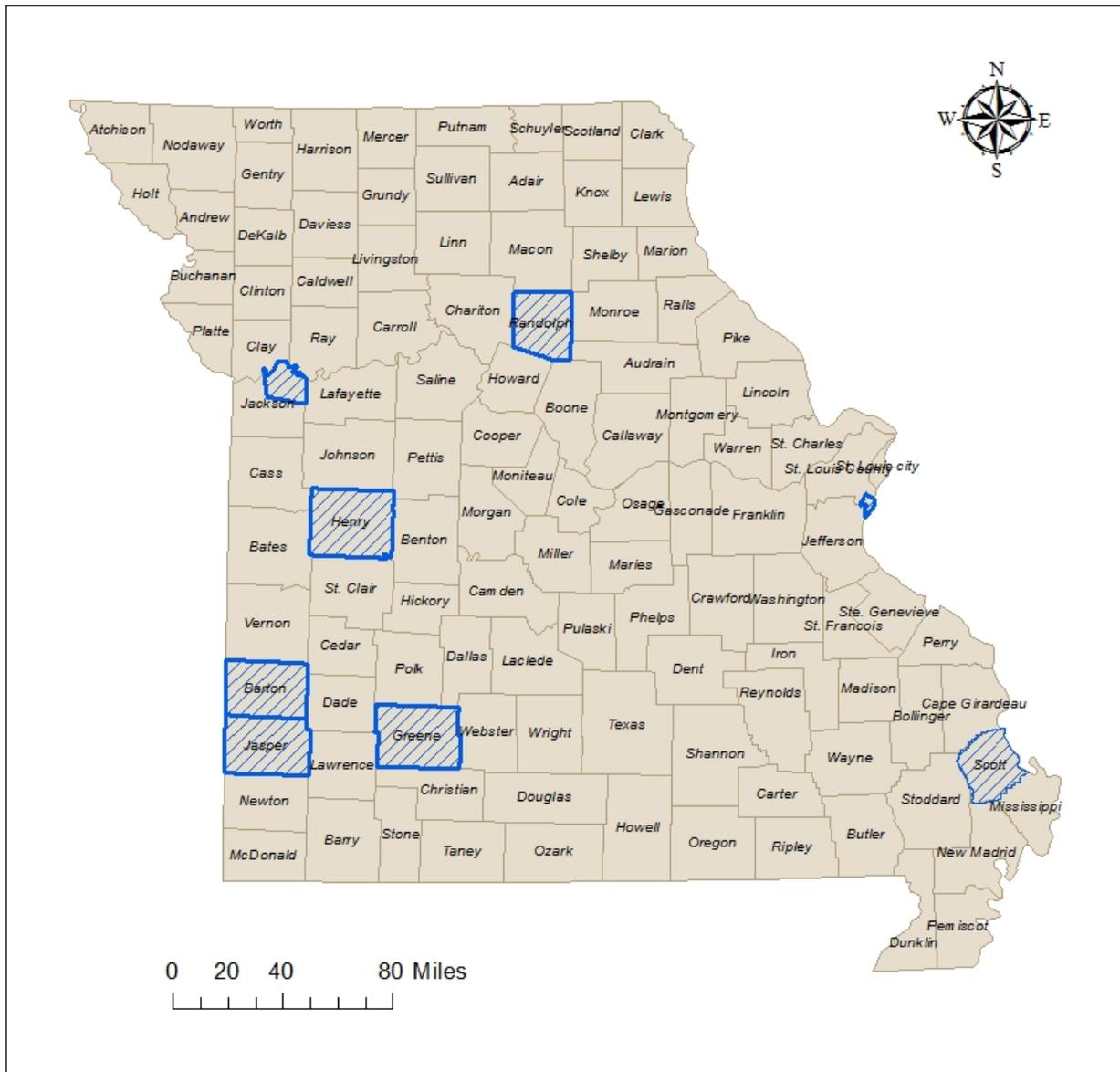
The air program is proposing to recommend attainment boundaries for each of the seven sources that chose modeling as their preferred method of characterization. The boundary for each area was selected following the five factor analysis outlined in EPA’s boundary designations guidance. Each area’s boundaries are based on air dispersion modeling using actual emissions data for these areas.

Table 1 summarizes the proposed area boundary and designation recommendations for the 1-hour SO₂ standard discussed in this document and appendices. The respective appendices discuss in more detail the data and analysis used to support the recommendations. The map in Figure 1 graphically depicts these proposed area boundaries.

Table 1 – Missouri’s Proposed Boundary Recommendations for the 2010 1-hour SO₂ Standard: December 2017 Designations

Affected Source	Proposed Boundary	Proposed Area Designation Recommendation
Ameren Missouri-Meramec Energy Center	Portion of St. Louis County	Attainment
Empire District Electric Co-Asbury Plant	Barton and Jasper Counties	Attainment
Kansas City Power And Light Co (KCP AND L)-Montrose Generating Station	Henry County	Attainment
KCP AND L - Greater Mo Operations-Sibley Generating Station	Portion of Jackson County	Attainment
Sikeston Power Station	Scott County	Attainment
City Utilities of Springfield - John Twitty Energy Center	Greene County	Attainment
Thomas Hill Energy Center Power Division-Thomas Hill	Randolph County	Attainment

2010 1-hour SO₂ NAAQS Proposed Area Boundary Recommendations



Legend

-  Proposed Attainment Area Boundaries
-  County Boundaries



Division of Environmental Quality
Air Pollution Control Program
Prepared: August 17, 2016

Figure 1 – 2010 1-hour SO₂ NAAQS Missouri’s Proposed Attainment Area Boundary Recommendations for December 2017 Round of Designations

