



PUBLIC HEARING ON

PROPOSED REVISION TO

**THE MISSOURI STATE IMPLEMENTATION PLAN —
INFRASTRUCTURE ELEMENTS FOR THE 2012 ANNUAL PM_{2.5} STANDARD**

This plan addresses infrastructure elements for the 2012 Annual Fine Particulate Matter (PM_{2.5}) National Ambient Air Quality Standard (NAAQS), as required by Clean Air Act Section 110. The plan provides for the implementation, maintenance, and enforcement of this standard for all areas of the state. Missouri is demonstrating it has adequate resources and authority to implement the 2012 Annual PM_{2.5} NAAQS through state laws and regulations. This plan is administrative in nature and does not establish any new requirements.

This plan also proffers two (2) Missouri statutes for inclusion in Missouri's State Implementation plan to address conflicts of interest provisions included in Clean Air Act Section 128.

The complete document has not been reprinted in the briefing document due to its volume. The entire document 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>

The following pages are included in the briefing document for reference:

- Executive Summary
- Conclusion

If the commission adopts this plan revision, it will be the department's intention to submit it to the U.S. Environmental Protection Agency for inclusion in the Missouri State Implementation Plan.

EXECUTIVE SUMMARY

The purpose of this plan is to address Clean Air Act (CAA) Sections 110(a)(1) and 110(a)(2) for the 2012 annual fine particulate matter (PM_{2.5}) National Ambient Air Quality Standard (NAAQS). These sections of the CAA direct states to develop a state implementation plan (SIP), commonly referred to as an “infrastructure SIP”, that provides for the implementation, maintenance, and enforcement of the NAAQS. Section 110(a)(1) requires that each state submit a plan that meets the applicable requirements of any new or revised NAAQS within 3 years after promulgation of the new or revised NAAQS, and Section 110(a)(2) includes the specific elements that must be addressed. In 2012, the PM_{2.5} NAAQS was revised to 12 µg/m³ on an annual basis. The deadline to submit the corresponding infrastructure SIP for this standard is December 12, 2015.

With this plan, Missouri is demonstrating it has adequate resources and authority to implement the 2012 Annual PM_{2.5} NAAQS for all areas of the state, through state laws and regulations. This SIP revision is administrative in nature and does not establish new requirements for this revised NAAQS.

This plan is based on guidance released in a September 13, 2003 EPA memo entitled “Guidance on infrastructure State Implementation Plan (SIP) Elements under Clean Air Act Sections 110(a)(1) and 110(a)(2).” The required Section 110 Infrastructure Elements addressed in this plan include:

- Emission Limitations and Other Control Measures
- Ambient Air Quality Monitoring/Data System
- Programs for Enforcement of Control Measures and for Construction or Modification of Stationary Sources
- Interstate Pollution Transport
- Adequate Resources and Authority, Conflict of Interest, and Oversight of Local Governments and Regional Agencies
- Stationary Source Monitoring and Reporting
- Emergency Episodes
- SIP Revisions
- Plan Revisions for Nonattainment Areas
- Consultation with Government Officials, Public Notification, and Prevention of Significant Deterioration (PSD) and Visibility Protection
- Air Quality Modeling and Submission of Modeling Data
- Permitting Fees
- Consultation and Participation by Affected Local Entities

This document also proffers two statutes for inclusion into Missouri’s SIP: Section 105.483(5) RSMo 2014, and Section 105.485 RSMo 2014. These statutes address the state infrastructure requirements relating to conflicts of interest found in Section 128 of the CAA. Once approved into the Missouri SIP, these statutes will be relied on for the 2012 annual PM_{2.5} NAAQS and future NAAQS infrastructure plans.

CONCLUSION

The State of Missouri acknowledges and fulfills its responsibilities related to Section 110(a) of the CAA. Through this plan, the State of Missouri hereby certifies that it has the authority and resources to implement, maintain and enforce the 2012 annual PM_{2.5} NAAQS. Furthermore, this plan demonstrates the state has addressed and fulfilled all the applicable requirements of Sections 110(a)(1) and (2) of the CAA in regard to this revised NAAQS. Also, as explained in paragraph 2.2.E of this document, the Air Program is offering Section 105.483(5) RSMo 2014 for inclusion into Missouri's SIP to address requirements under Section 128 of the CAA.

PUBLIC HEARING ON

PROPOSED OPTIONS FOR AREA BOUNDARY RECOMMENDATIONS FOR THE 2010 1-HOUR SULFUR DIOXIDE STANDARD: JULY 2016 DESIGNATIONS

The purpose of this draft document is to solicit public comment on possible recommendations for area designations (e.g., attainment, nonattainment, unclassifiable) for the 2010 1-hour SO₂ standard. This document addresses four parts of the State of Missouri: the areas surrounding the Sikeston Power Station, Sibley Generating Station, Ameren Labadie Energy Center and the SO₂ monitor located in Iron County, Missouri. The proposed options are based on technical evaluations of these areas using air quality modeling and monitoring data. The U.S. Environmental Protection Agency (EPA) identified these four areas as meeting the criteria specified in the March 2, 2015 Federal Consent Decree for the next round of SO₂ designations. The Air Program intends to submit recommendations to the EPA in September 2015, and EPA will make a final decision on designations for these areas by July 2, 2016. This action will not be submitted for inclusion in the Missouri State Implementation Plan.

PURPOSE

The purpose of this draft document is to provide public notice and solicit public comment on possible recommendations for area designations for the 2010 1-hour sulfur dioxide (SO₂) standard. This document addresses four parts of the State of Missouri: the areas surrounding the Sikeston Power Station, Sibley Generating Station, Ameren Labadie Energy Center and the SO₂ monitor located in Iron County, Missouri.

The U.S. Environmental Protection Agency (EPA) identified these four areas as meeting the criteria specified in the March 2, 2015 federal Consent Decree for the next round of SO₂ designations¹. The federal Consent Decree set the schedule for finalizing the remaining rounds of area designations under the 2010 1-hour SO₂ National Ambient Air Quality Standard (NAAQS). For the next round, the decree requires EPA to characterize air quality around sources meeting specific thresholds and designate these areas, along with areas containing violating monitors, no later than July 2, 2016.

The Missouri Department of Natural Resources' Air Pollution Control Program (Air Program) intends to submit recommendations to the EPA in September 2015, and EPA will make a final decision on designations for these areas by the court-ordered deadline of July 2, 2016. If the EPA intends to modify the state's recommendations or needs additional technical justification, they will notify the Air Program 120 days prior to finalizing the designations. For this round of designations, EPA has stated that the "120-day" letters will be released no later than March 2, 2016. Eighteen months after final designations, the Air Program will be required to submit state implementation plans (SIPs) for any nonattainment areas outlining actions that will be taken to meet the 1-hour SO₂ standard.

SUMMARY OF PROPOSED OPTIONS FOR AREA BOUNDARY RECOMMENDATIONS

Sikeston Power Station And Sibley Generating Station

For the Sikeston Power Station and Sibley Generating Station, the Air Program seeks public comment on attainment boundaries consisting of Scott County (Figure 4) and a portion of Jackson County (Figure 7). This is based upon air dispersion modeling using actual emissions and emissions inventory data for these areas.

Ameren Labadie Energy Center

For the area surrounding the Ameren Labadie Energy Center, the Air Program is seeking comment on two options.

Option 1: A recommendation of nonattainment based on air dispersion modeling using actual emissions. The Air Program is proposing a nonattainment area boundary that encompasses all model-predicted violations of the 1-hour SO₂ standard, the Labadie property boundary, and any nearby ambient SO₂ monitors, and that is bounded by easily recognizable and identifiable

¹ March 20, 2015 letter from Janet McCabe, U.S. Environmental Protection Agency to Sara Parker Pauley, Missouri Department of Natural Resources.

landmarks. Under option 1, portions of Franklin and St. Charles counties would be recommended nonattainment (Figure 9) as follows:

- The eastern and western boundaries are Boone and Boles Township boundaries.
- The northern boundary is Missouri Route D and Highway 94.
- The southern boundary is Interstate 44.

Option 2: A recommendation of unclassifiable for the portions of Franklin and St. Charles Counties described above based on available SO₂ monitoring data from nearby ambient air quality monitors.

Iron County Monitor

The violating monitor located in Iron County is expected to attain the standard by the end of 2015. If this occurs, this monitor would no longer be subject to the federal consent decree and the Air Program would not submit a recommendation in this round of SO₂ designations for this area. Though an attaining monitor is the likely outcome, the Air Program is also presenting a proposed boundary (Figure 15) in order to provide input on EPA’s nonattainment area designation if the monitor continues to violate the 1-hour SO₂ standard for the 2013-2015 period. This boundary is the portion of Township 34N that is located within Iron County.

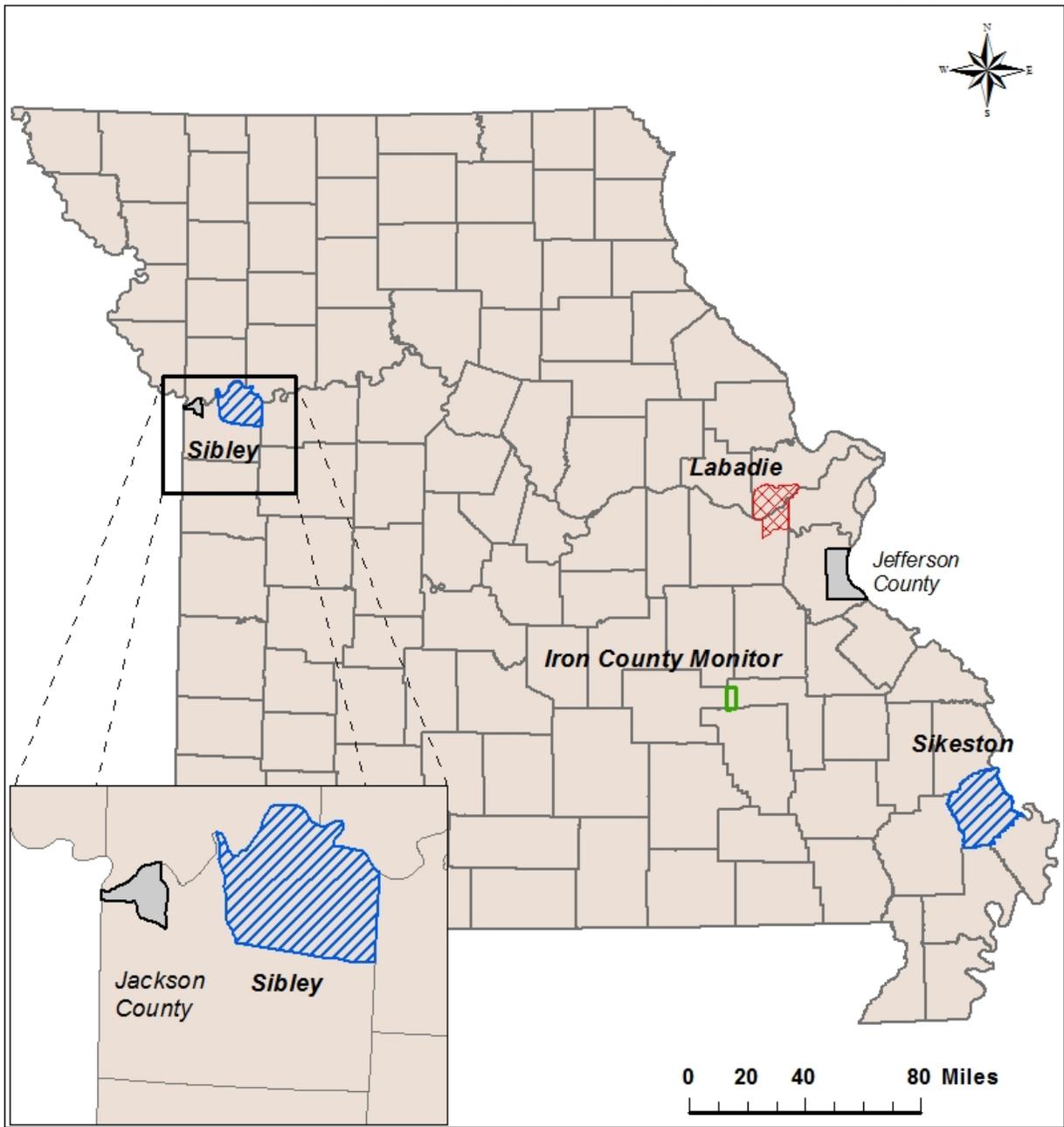
Summary

The following table summarizes the information in this document regarding potential area designation recommendations for the primary 1-hour SO₂ standard. The following sections discuss in more detail the data and analysis used to support these options. The map in Figure 1 below also depicts these areas.

Table 1 – Options for Missouri Boundary Recommendations for the 2010 1-hour SO₂ Standard

Affected Area	Proposed Boundary	Options for Area Designation Recommendations
Iron County Monitor	Portion of Iron County	No recommendation based on monitor being in attainment for 2013-2015
Labadie	Portions of Franklin and St. Charles County	Option 1: Nonattainment based on modeling data Option 2: Unclassifiable based on available monitoring data
Sibley	Portion of Jackson County	Attainment
Sikeston	All of Scott County	Attainment

2010 1-hour SO₂ NAAQS Existing and Proposed Nonattainment/Attainment Area Boundaries for Comment



Legend

-  Proposed Attainment Area Boundaries for Comment
-  Proposed Nonattainment Area Boundary for Comment, Under Option 1
-  Existing Nonattainment Areas
-  No Recommendation based on 2013-2015 Monitoring Data



MISSOURI
DEPARTMENT OF
NATURAL RESOURCES
 Division of Environmental Quality
 Air Pollution Control Program
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Figure 1 – Existing 1-Hour SO₂ Nonattainment Areas and Proposed Boundaries for July 2016 Round of Designations