

# Technical Support Document:

## Chapter 5

### Final Round 3 Area Designations for the 2010 1-Hour SO<sub>2</sub> Primary National Ambient Air Quality Standard for Arkansas

Pursuant to section 107(d) of the Clean Air Act (CAA), the U.S. Environmental Protection Agency (the EPA, we, or us) must designate areas as either “nonattainment,” “attainment,” or “unclassifiable” for the 2010 1-hour sulfur dioxide (SO<sub>2</sub>) primary national ambient air quality standard (NAAQS) (2010 SO<sub>2</sub> NAAQS). Our Notice of Availability (NOA)<sup>1</sup> and Technical Support Document<sup>2</sup> for our intended designations for the round of designations we are required to complete by December 31, 2017, provided background on the relevant CAA definitions and the history of the designations for this NAAQS. Chapter 1 of this TSD for the final designations explains the definitions we are applying in the final designations. The TSD for the intended Round 3 area designations also described Arkansas’ recommended designations, assessed the available relevant monitoring, modeling, and any other information, and provided our intended designations.

For Arkansas, there have been no changes in Arkansas’ recommended designations since we communicated our intended designations for areas in Arkansas. In addition, neither Arkansas nor any other party submitted additional relevant information since the publication of the NOA. This TSD does not repeat information contained in the TSD for our intended designations. For areas of Arkansas that are part of the Round 3 designations process, we are finalizing the designations described in our 120-day letters and the TSD for the intended Round 3 area designations. All the final designations are listed in Table 1 below.

For the areas in Arkansas that are part of the Round 3 designations process, Table 1 identifies EPA’s final designations and the counties or portions of counties to which they apply. It also lists Arkansas’ current recommendations, which have not been modified since our 120-day letters were sent. The EPA’s final designations for these areas are based on an assessment and characterization of air quality through ambient air quality data, air dispersion modeling, other evidence and supporting information, or a combination of the above.

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<sup>1</sup> EPA Responses to Certain State Designation Recommendations for the 2010 Sulfur Dioxide Primary National Ambient Air Quality Standard: Notification of Availability and Public Comment Period, September 5, 2017 (82 FR 41903)

<sup>2</sup> Intended Round 3 Area Designations for the 2010 1-Hour SO<sub>2</sub> Primary National Ambient Air Quality Standard Technical Support Document, August 2017. <https://www.epa.gov/sulfur-dioxide-designations/initial-technical-support-documents-area-designations-round-3>

**Table 1 - Summary of the EPA’s Final Designations and the Designation Recommendations by Arkansas**

<b>Area/ County</b>	<b>Arkansas’ Recommended Area Definition</b>	<b>Arkansas’ Recommended Designation</b>	<b>EPA’s Intended Designation</b>	<b>EPA’s Final Area Definition</b>	<b>EPA’s Final Designation<sup>3</sup></b>
Benton County	Benton County	Unclassifiable/ Attainment	Unclassifiable/ Attainment	Same as State’s	Attainment/ Unclassifiable
Mississippi County	Mississippi County	Unclassifiable/ Attainment	Unclassifiable/ Attainment	Same as State’s	Attainment/ Unclassifiable
Remaining Counties in Arkansas*	Each Remaining County	Unclassifiable	Unclassifiable/ Attainment	Same as State’s	Attainment/ Unclassifiable

\*The EPA is designating the remaining undesignated counties (or portions of counties) in Arkansas as “attainment/unclassifiable.” These areas that we are designating as attainment/unclassifiable (those to which this row of this table is applicable) are identified more specifically in section 5 of Chapter 5 (addressing Arkansas) of the TSD for our intended designations.

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<sup>3</sup> Refer to Chapter 1 of Technical Support Document: Final Round 3 Area Designations for the 2010 1-Hour SO<sub>2</sub> Primary National Ambient Air Quality Standard for definitions of the designation categories and the terminology change from Unclassifiable/Attainment to Attainment/Unclassifiable.