

Technical Support Document:

Chapter 38

Final Round 3 Area Designations for the 2010 1-Hour SO₂ Primary National Ambient Air Quality Standard for Tennessee

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 (SO₂) primary national ambient air quality standard (NAAQS) (2010 SO₂ NAAQS). Our Notice of Availability (NOA)¹ and Technical Support Document² for our intended designations for this round of designations which 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 Tennessee’s recommended designations, assessed the available relevant monitoring, modeling, and any other information, and provided our intended designations.

For Tennessee, there have been no changes in Tennessee recommended designations since we communicated our intended designations for areas in Tennessee. In addition, neither Tennessee 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 Tennessee 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 Tennessee 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 Tennessee’s 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.

¹ 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)

² Intended Round 3 Area Designations for the 2010 1-Hour SO₂ 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 Tennessee

Area/ County	Tennessee’s Recommended Area Definition	Tennessee’s Recommended Designation	The EPA’s Intended Designation	The EPA’s Final Area Definition	The EPA’s Final Designation³
Humphreys County Area	Entire State	Unclassifiable/ Attainment	Unclassifiable/ Attainment	Humphreys County	Attainment/ Unclassifiable
Shelby County Area	Entire State	Unclassifiable/ Attainment	Unclassifiable/ Attainment	Shelby County	Attainment/ Unclassifiable
Stewart County Area	Entire State	Unclassifiable/ Attainment	Unclassifiable/ Attainment	Stewart County	Attainment/ Unclassifiable
Rest of the State*	Entire State	Unclassifiable/ Attainment	Unclassifiable/ Attainment	Same as State’s	Attainment/ Unclassifiable

*The EPA is designating the remaining undesignated counties (or portions of counties) in Tennessee 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 6 of Chapter 38 (addressing Tennessee) of the TSD for our intended designations.

³ Refer to Chapter 1 of Technical Support Document: Final Round 3 Area Designations for the 2010 1-Hour SO₂ Primary National Ambient Air Quality Standard for definitions of the designation categories and the terminology change from Unclassifiable/Attainment to Attainment/Unclassifiable.