

Technical Support Document:

Chapter 33

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

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 Oklahoma’s recommended designations, assessed the available relevant monitoring, modeling, and any other information, and provided our intended designations.

For Oklahoma, there have been no changes in Oklahoma recommended designations since we communicated our intended designations for areas in Oklahoma. This TSD does not repeat information contained in the TSD for our intended designations. For areas of Oklahoma 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 Oklahoma that are part of the Round 3 designations process, Table 1 identifies the EPA’s final designations and the counties or portions of counties to which they apply. It also lists Oklahoma’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.

The EPA received additional information from Oklahoma after the 120-day letters were sent, this additional information is addressed in the response to comments document associated with this final action.

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 Oklahoma

Area/ County	Oklahoma’s Recommended Area Definition	Oklahoma’s Recommended Designation	The EPA’s Intended Designation	The EPA’s Final Area Definition	The EPA’s Final Designation ³
Kay County	Kay County	Attainment	Unclassifiable / Attainment	Kay County	Attainment/ Unclassifiable
Le Flore County)	Le Flore County	Attainment	Unclassifiable / Attainment	Le Flore County	Attainment/ Unclassifiable
Rogers County	Rogers County	Attainment	Unclassifiable / Attainment	Rogers County	Attainment/ Unclassifiable
Tulsa County	Tulsa County	Unclassifiable	Unclassifiable / Attainment	Tulsa County	Attainment/ Unclassifiable
Remaining Undesignated Areas to Be Designated in this Action*	Remaining Counties	Attainment	Unclassifiable / Attainment	Each Remaining Undesignated County except for Mayes County, Muskogee County, and Garfield County	Attainment/ Unclassifiable

*Except for areas that are associated with sources for which Oklahoma elected to install and timely began operation of a new SO₂ monitoring network meeting EPA specifications referenced in EPA’s SO₂ DRR (see Table 2 below), the EPA is designating the remaining undesignated counties (or portions of counties) in Oklahoma 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 33 (addressing Oklahoma) of the TSD for our intended designations.

Areas and the associated SO₂ emissions sources for which Oklahoma elected to install and began operation of a new, approved SO₂ monitoring network are listed in Table 2. The EPA is not designating these areas in this third round of designations.

Table 2. Undesignated Areas Which the EPA is Not Addressing in this Round of Designations (and Associated Sources)

Area	Source(s)
Garfield	Oxbow Calcining LLC - Kremlin Plant
Mayes	GRDA – Chouteau Coal Fired Complex
Muskogee	OG&E - Muskogee Generating Station Georgia Pacific - Muskogee Mill

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.