

# Technical Support Document:

## Chapter 2

### Final Round 4 Area Designations for the 2010 1-Hour SO<sub>2</sub> Primary National Ambient Air Quality Standard for Areas without Violating Monitors

#### 1. Introduction

Pursuant to section 107(d) of the Clean Air Act (CAA), the U.S. Environmental Protection Agency (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). On or about August 13, 2020, EPA sent states our responses to certain designation recommendations for the 2010 SO<sub>2</sub> NAAQS. On August 21, 2020, EPA published a notice of availability (NOA) in the *Federal Register* (see 85 FR 51694), initiating a 30-day public comment period. The NOA and the technical support document (TSD) for EPA’s intended designations provided background on the relevant CAA definitions and the history of the designations for this NAAQS.

EPA received several public comments regarding the intended designations of areas with SO<sub>2</sub> monitors that were attaining the 2010 SO<sub>2</sub> NAAQS based on the 2017-2019 design value. These comments are addressed in the Response to Comments document associated with this final action or in the EPA’s final designations TSD. Except for the designation of Harrison County, Texas, EPA is finalizing the designations for areas in Table 1 that we described in our 120-day letters and the TSD for our intended Round 4 designations. This TSD does not repeat information contained in the TSD for EPA’s intended designations. Table 1 identifies EPA’s final Round 4 designations and the areas to which they apply, and Chapter 1 of this TSD for the final designations explains the definitions that EPA is applying in the final designations process.

**Table 1. EPA’s Final Designations for Areas with Monitors Attaining the 2010 SO<sub>2</sub> NAAQS or Areas with Monitors Having Invalid Design Values**

State	County/Area	Recommendation Date	State Recommended Area	State Recommended Designation	EPA’s Intended Designation	EPA’s Final Area Definition	EPA’s Final Designation
AL	Shelby	05/25/2011	Shelby County	Attainment	Attainment/ Unclassifiable	Shelby (partial)*	Attainment/ Unclassifiable
GA	Floyd	05/31/2011	Floyd County	Attainment/ Unclassifiable	Attainment/ Unclassifiable	Floyd County	Attainment/ Unclassifiable
HI	Honolulu	05/19/2011	Honolulu County	Unclassifiable	Attainment/ Unclassifiable	Honolulu County	Attainment/ Unclassifiable
IL	Macon	04/28/2020	Macon County	Attainment/ Unclassifiable	Attainment/ Unclassifiable	Macon County	Attainment/ Unclassifiable
IN	Porter	04/16/2020	Porter County	Attainment/ Unclassifiable	Attainment/ Unclassifiable	Porter County	Attainment/ Unclassifiable
LA	East Baton Rouge	04/23/2020	East Baton Rouge Parish	Attainment/ Unclassifiable	Attainment/ Unclassifiable	East Baton Rouge Parish	Attainment/ Unclassifiable
LA	St. Charles	04/23/2020	St. Charles Parish	Attainment/ Unclassifiable	Attainment/ Unclassifiable	St. Charles Parish	Attainment/ Unclassifiable
LA	St. James	04/23/2020	St. James Parish	Attainment/ Unclassifiable	Attainment/ Unclassifiable	St. James Parish	Attainment/ Unclassifiable
LA	West Baton Rouge	04/23/2020	West Baton Rouge Parish	Attainment/ Unclassifiable	Attainment/ Unclassifiable	West Baton Rouge Parish	Attainment/ Unclassifiable
MO	Iron	04/30/2020	Iron County	Attainment/ Unclassifiable	Attainment/ Unclassifiable	Iron County	Attainment/ Unclassifiable
NE	Douglas	05/6/2020	Douglas County	Attainment/ Unclassifiable	Attainment/ Unclassifiable	Douglas County	Attainment/ Unclassifiable
NY	Cayuga Seneca Tompkins	04/30/2020	Cayuga County Seneca County Tompkins County	Attainment	Attainment/ Unclassifiable	Cayuga County Seneca County Tompkins County	Attainment/ Unclassifiable
NC	Buncombe	04/29/2020	Limestone Township – Buncombe County	Attainment	Attainment/ Unclassifiable	Limestone Township – Buncombe County	Attainment/ Unclassifiable

<b>State</b>	<b>County/Area</b>	<b>Recommendation Date</b>	<b>State Recommended Area</b>	<b>State Recommended Designation</b>	<b>EPA's Intended Designation</b>	<b>EPA's Final Area Definition</b>	<b>EPA's Final Designation</b>
NC	Person	04/29/2020	Cunningham Township – Person County	Attainment	Attainment/ Unclassifiable	Cunningham Township – Person County	Attainment/ Unclassifiable
ND	Williams	04/23/2020	Williams County	Attainment/ Unclassifiable	Attainment/ Unclassifiable	Williams County	Attainment/ Unclassifiable
OK	Garfield	04/22/2020	Garfield County	Attainment/ Unclassifiable	Attainment/ Unclassifiable	Garfield County	Attainment/ Unclassifiable
OK	Mayes	04/22/2020	Mayes County	Attainment/ Unclassifiable	Attainment/ Unclassifiable	Mayes County	Attainment/ Unclassifiable
OK	Muskogee	04/22/2020	Muskogee County	Attainment/ Unclassifiable	Attainment/ Unclassifiable	Muskogee County	Attainment/ Unclassifiable
PA	York	06/23/2011	York County	Unclassifiable	Attainment/ Unclassifiable	York County	Attainment/ Unclassifiable
TX	Bexar	09/18/2015	Bexar County	Unclassifiable/ Attainment	Attainment/ Unclassifiable	Bexar County	Attainment/ Unclassifiable
TX	Harrison	09/18/2015	Harrison County	Unclassifiable/ Attainment	Attainment/ Unclassifiable	Harrison County	Unclassifiable
TX	Jefferson	09/18/2015	Jefferson County	Attainment	Attainment/ Unclassifiable	Jefferson County	Attainment/ Unclassifiable
TX	Orange	05/11/2020	Orange County	Attainment/ Unclassifiable	Unclassifiable	Orange County	Unclassifiable
TX	Robertson	09/18/2015	Robertson County	Unclassifiable/ Attainment	Attainment/ Unclassifiable	Robertson County	Attainment/ Unclassifiable
TX	Titus	09/18/2015	Titus County (partial)	Unclassifiable/ Attainment	Attainment/ Unclassifiable	Titus County (partial)*	Attainment/ Unclassifiable
VA	Alleghany	04/24/2020	City of Covington – Alleghany County	Attainment/ Unclassifiable	Attainment/ Unclassifiable	City of Covington – Alleghany County	Attainment/ Unclassifiable
VA	Botetourt	04/24/2020	Botetourt County	Attainment/ Unclassifiable	Attainment/ Unclassifiable	Botetourt County	Attainment/ Unclassifiable

<b>State</b>	<b>County/Area</b>	<b>Recommendation Date</b>	<b>State Recommended Area</b>	<b>State Recommended Designation</b>	<b>EPA's Intended Designation</b>	<b>EPA's Final Area Definition</b>	<b>EPA's Final Designation</b>
WA	Chelan Douglas	06/15/2020	Chelan County Douglas County	Attainment	Attainment/ Unclassifiable	Chelan County Douglas County	Attainment/ Unclassifiable
WY	Carbon	05/01/2020	Carbon County	Attainment	Attainment/ Unclassifiable	Carbon County	Attainment/ Unclassifiable
WY	Fremont	05/01/2020	Fremont County (partial)	Attainment	Attainment/ Unclassifiable	Fremont County (partial)*	Attainment/ Unclassifiable
WY	Converse	05/01/2020	Converse County	Attainment	Attainment/ Unclassifiable	Converse County	Attainment/ Unclassifiable
WY	Sweetwater	05/01/2020	Sweetwater County (partial)	Attainment	Attainment/ Unclassifiable	Sweetwater County (partial)*	Attainment/ Unclassifiable

\* The other portion of the area was designated previously.