

# Technical Support Document:

## Chapter 18

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

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

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

---

<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 Maryland**

<b>Area/ County</b>	<b>Maryland’s Recommended Area Definition</b>	<b>Maryland’s 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>
Anne Arundel County (p)	County	Unclassifiable	Unclassifiable / Attainment	All portions of the county not located within 26.8 km of Herbert A. Wagner’s Unit 3 stack, which is located at 39.17765 N, latitude, 76.52752 W.	Attainment/ Unclassifiable
Baltimore County (p)	County	Unclassifiable	Unclassifiable / Attainment	All portions of the county not located within 26.8 km of Herbert A. Wagner’s Unit 3 stack, which is located at 39.17765 N, latitude, 76.52752 W.	Attainment/ Unclassifiable
Calvert County	County	Unclassifiable	Unclassifiable / Attainment	Same as State’s	Attainment/ Unclassifiable
Caroline County	County	Unclassifiable	Unclassifiable / Attainment	Same as State’s	Attainment/ Unclassifiable
Carrol County	County	Unclassifiable	Unclassifiable / Attainment	Same as State’s	Attainment/ Unclassifiable
Cecil County	County	Unclassifiable	Unclassifiable / Attainment	Same as State’s	Attainment/ Unclassifiable
Charles County	County	Attainment	Unclassifiable / Attainment	Same as State’s	Attainment/ Unclassifiable
Dorchester County	County	Unclassifiable	Unclassifiable / Attainment	Same as State’s	Attainment/ Unclassifiable

<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.

<b>Area/ County</b>	<b>Maryland's Recommended Area Definition</b>	<b>Maryland's 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>
Frederick County	County	Unclassifiable	Unclassifiable / Attainment	Same as State's	Attainment/ Unclassifiable
Garrett County	County	Unclassifiable	Unclassifiable / Attainment	Same as State's	Attainment/ Unclassifiable
Harford County	County	Unclassifiable	Unclassifiable / Attainment	Same as State's	Attainment/ Unclassifiable
Howard County	County	Unclassifiable	Unclassifiable / Attainment	Same as State's	Attainment/ Unclassifiable
Kent County	County	Unclassifiable	Unclassifiable / Attainment	Same as State's	Attainment/ Unclassifiable
Montgomery County	County	Unclassifiable	Unclassifiable / Attainment	Same as State's	Attainment/ Unclassifiable
Prince George's County	County	Attainment	Unclassifiable / Attainment	Same as State's	Attainment/ Unclassifiable
Queen Anne's County	County	Unclassifiable	Unclassifiable / Attainment	Same as State's	Attainment/ Unclassifiable
Somerset County	County	Unclassifiable	Unclassifiable / Attainment	Same as State's	Attainment/ Unclassifiable
St. Mary's County	County	Unclassifiable	Unclassifiable / Attainment	Same as State's	Attainment/ Unclassifiable
Talbot County	County	Unclassifiable	Unclassifiable / Attainment	Same as State's	Attainment/ Unclassifiable
Washington County	County	Unclassifiable	Unclassifiable / Attainment	Same as State's	Attainment/ Unclassifiable
Wicomico County	County	Unclassifiable	Unclassifiable / Attainment	Same as State's	Attainment/ Unclassifiable
Worcester County	County	Unclassifiable	Unclassifiable / Attainment	Same as State's	Attainment/ Unclassifiable

In this table, (p) stands for "partial."