

Technical Support Document:

Chapter 35

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

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

For Pennsylvania, there have been no changes in Pennsylvania’s recommended designations since we communicated our intended designations for areas in Pennsylvania. This TSD does not repeat information contained in the TSD for our intended designations. For areas of Pennsylvania 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 Pennsylvania 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 Pennsylvania’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 comments from two different entities regarding the intended designations for areas in Pennsylvania. These comments are 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 Pennsylvania

Area/County	Pennsylvania’s Recommended Area Definition	Pennsylvania’s Recommended Designation	EPA’s Intended Designation	EPA’s Final Area Definition	EPA’s Final Designation³
Allegheny County (p)/Cheswick Area	Remainder of County	Nonattainment	Unclassifiable	Remainder of County	Unclassifiable
Cambria County	Entire County	Unclassifiable	Unclassifiable	Same as Commonwealth’s	Unclassifiable
Carbon County	Entire County	Unclassifiable	Unclassifiable	Same as Commonwealth’s	Unclassifiable
Clearfield County	Entire County	Unclassifiable	Unclassifiable	Same as Commonwealth’s	Unclassifiable
Lawrence County	Entire County	Unclassifiable	Unclassifiable	Same as Commonwealth’s	Unclassifiable
Lehigh County	Entire County	Unclassifiable	Unclassifiable	Same as Commonwealth’s	Unclassifiable
Northampton County	Entire County	Unclassifiable	Unclassifiable	Same as Commonwealth’s	Unclassifiable
Schuylkill County	Entire County	Unclassifiable	Unclassifiable	Same as Commonwealth’s	Unclassifiable
Adams County	Adams County	Unclassifiable	Unclassifiable / Attainment	Same as Commonwealth’s	Attainment/ Unclassifiable
Armstrong County (p)	Armstrong County	Unclassifiable	Unclassifiable / Attainment	Remainder of County (excluding Plumcreek and South Bend Townships and Elderton Borough)	Attainment/ Unclassifiable
Beaver County (p)	Beaver County	Unclassifiable	Unclassifiable / Attainment	Remainder of County (excluding Industry, Shippingport, and Midland Boroughs, and Brighton, Potter,	Attainment/ Unclassifiable

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.

Area/County	Pennsylvania's Recommended Area Definition	Pennsylvania's Recommended Designation	EPA's Intended Designation	EPA's Final Area Definition	EPA's Final Designation³
				and Vanport Townships	
Bedford County	Bedford County	Unclassifiable	Unclassifiable / Attainment	Same as Commonwealth's	Attainment/ Unclassifiable
Berks County	Berks County	Unclassifiable	Unclassifiable / Attainment	Same as Commonwealth's	Attainment/ Unclassifiable
Blair County	Blair County	Unclassifiable	Unclassifiable / Attainment	Same as Commonwealth's	Attainment/ Unclassifiable
Bradford County	Bradford County	Unclassifiable	Unclassifiable / Attainment	Same as Commonwealth's	Attainment/ Unclassifiable
Bucks County	Bucks County	Unclassifiable	Unclassifiable / Attainment	Same as Commonwealth's	Attainment/ Unclassifiable
Butler County	Butler County	Unclassifiable	Unclassifiable / Attainment	Same as Commonwealth's	Attainment/ Unclassifiable
Cameron County	Cameron County	Unclassifiable	Unclassifiable / Attainment	Same as Commonwealth's	Attainment/ Unclassifiable
Centre County	Centre County	Unclassifiable	Unclassifiable / Attainment	Same as Commonwealth's	Attainment/ Unclassifiable
Chester County	Chester County	Unclassifiable	Unclassifiable / Attainment	Same as Commonwealth's	Attainment/ Unclassifiable
Clarion County	Clarion County	Unclassifiable	Unclassifiable / Attainment	Same as Commonwealth's	Attainment/ Unclassifiable
Clinton County	Clinton County	Unclassifiable	Unclassifiable / Attainment	Same as Commonwealth's	Attainment/ Unclassifiable
Columbia County	Columbia County	Unclassifiable	Unclassifiable / Attainment	Same as Commonwealth's	Attainment/ Unclassifiable
Crawford County	Crawford County	Unclassifiable	Unclassifiable / Attainment	Same as Commonwealth's	Attainment/ Unclassifiable
Cumberland County	Cumberland County	Unclassifiable	Unclassifiable / Attainment	Same as Commonwealth's	Attainment/ Unclassifiable
Dauphin County	Dauphin County	Unclassifiable	Unclassifiable / Attainment	Same as Commonwealth's	Attainment/ Unclassifiable
Delaware County	Delaware County	Unclassifiable	Unclassifiable / Attainment	Same as Commonwealth's	Attainment/ Unclassifiable
Elk County	Elk County	Unclassifiable	Unclassifiable / Attainment	Same as Commonwealth's	Attainment/ Unclassifiable
Erie County	Erie County	Unclassifiable	Unclassifiable / Attainment	Same as Commonwealth's	Attainment/ Unclassifiable
Fayette County	Fayette County	Unclassifiable	Unclassifiable / Attainment	Same as Commonwealth's	Attainment/ Unclassifiable
Forest County	Forest County	Unclassifiable	Unclassifiable / Attainment	Same as Commonwealth's	Attainment/ Unclassifiable

Area/County	Pennsylvania's Recommended Area Definition	Pennsylvania's Recommended Designation	EPA's Intended Designation	EPA's Final Area Definition	EPA's Final Designation³
Franklin County	Franklin County	Unclassifiable	Unclassifiable / Attainment	Same as Commonwealth's	Attainment/ Unclassifiable
Fulton County	Fulton County	Unclassifiable	Unclassifiable / Attainment	Same as Commonwealth's	Attainment/ Unclassifiable
Greene County	Greene County	Unclassifiable	Unclassifiable / Attainment	Same as Commonwealth's	Attainment/ Unclassifiable
Huntingdon County	Huntingdon County	Unclassifiable	Unclassifiable / Attainment	Same as Commonwealth's	Attainment/ Unclassifiable
Jefferson County	Jefferson County	Unclassifiable	Unclassifiable / Attainment	Same as Commonwealth's	Attainment/ Unclassifiable
Juniata County	Juniata County	Unclassifiable	Unclassifiable / Attainment	Same as Commonwealth's	Attainment/ Unclassifiable
Lackawanna County	Lackawanna County	Unclassifiable	Unclassifiable / Attainment	Same as Commonwealth's	Attainment/ Unclassifiable
Lancaster County	Lancaster County	Unclassifiable	Unclassifiable / Attainment	Same as Commonwealth's	Attainment/ Unclassifiable
Lebanon County	Lebanon County	Unclassifiable	Unclassifiable / Attainment	Same as Commonwealth's	Attainment/ Unclassifiable
Luzerne County	Luzerne County	Unclassifiable	Unclassifiable / Attainment	Same as Commonwealth's	Attainment/ Unclassifiable
Lycoming County	Lycoming County	Unclassifiable	Unclassifiable / Attainment	Same as Commonwealth's	Attainment/ Unclassifiable
McKean County	McKean County	Unclassifiable	Unclassifiable / Attainment	Same as Commonwealth's	Attainment/ Unclassifiable
Mercer County	Mercer County	Unclassifiable	Unclassifiable / Attainment	Same as Commonwealth's	Attainment/ Unclassifiable
Mifflin County	Mifflin County	Unclassifiable	Unclassifiable / Attainment	Same as Commonwealth's	Attainment/ Unclassifiable
Monroe County	Monroe County	Unclassifiable	Unclassifiable / Attainment	Same as Commonwealth's	Attainment/ Unclassifiable
Montgomery County	Montgomery County	Unclassifiable	Unclassifiable / Attainment	Same as Commonwealth's	Attainment/ Unclassifiable
Montour County	Montour County	Unclassifiable	Unclassifiable / Attainment	Same as Commonwealth's	Attainment/ Unclassifiable
Northumberland County	Northumberland County	Unclassifiable	Unclassifiable / Attainment	Same as Commonwealth's	Attainment/ Unclassifiable
Perry County	Perry County	Unclassifiable	Unclassifiable / Attainment	Same as Commonwealth's	Attainment/ Unclassifiable
Philadelphia County	Philadelphia County	Unclassifiable	Unclassifiable	Same as Commonwealth's	Attainment/ Unclassifiable
Pike County	Pike County	Unclassifiable	Unclassifiable / Attainment	Same as Commonwealth's	Attainment/ Unclassifiable

Area/County	Pennsylvania's Recommended Area Definition	Pennsylvania's Recommended Designation	EPA's Intended Designation	EPA's Final Area Definition	EPA's Final Designation³
Potter County	Potter County	Unclassifiable	Unclassifiable / Attainment	Same as Commonwealth's	Attainment/ Unclassifiable
Snyder County	Snyder County	Unclassifiable	Unclassifiable / Attainment	Same as Commonwealth's	Attainment/ Unclassifiable
Somerset County	Somerset County	Unclassifiable	Unclassifiable / Attainment	Same as Commonwealth's	Attainment/ Unclassifiable
Sullivan County	Sullivan County	Unclassifiable	Unclassifiable / Attainment	Same as Commonwealth's	Attainment/ Unclassifiable
Susquehanna County	Susquehanna County	Unclassifiable	Unclassifiable / Attainment	Same as Commonwealth's	Attainment/ Unclassifiable
Tioga County	Tioga County	Unclassifiable	Unclassifiable / Attainment	Same as Commonwealth's	Attainment/ Unclassifiable
Union County	Union County	Unclassifiable	Unclassifiable / Attainment	Same as Commonwealth's	Attainment/ Unclassifiable
Venango County	Venango County	Unclassifiable	Unclassifiable / Attainment	Same as Commonwealth's	Attainment/ Unclassifiable
Warren County (p)	Warren County	Unclassifiable	Unclassifiable / Attainment	Remainder of County (except Conewango, Glade, and Pleasant Townships, and the City of Warren)	Attainment/ Unclassifiable
Washington County	Washington County	Unclassifiable	Unclassifiable / Attainment	Same as Commonwealth's	Attainment/ Unclassifiable
Wayne County	Wayne County	Unclassifiable	Unclassifiable / Attainment	Same as Commonwealth's	Attainment/ Unclassifiable
Westmoreland County	Westmoreland County	Unclassifiable	Unclassifiable / Attainment	Same as Commonwealth's	Attainment/ Unclassifiable
Wyoming County	Wyoming County	Unclassifiable	Unclassifiable / Attainment	Same as Commonwealth's	Attainment/ Unclassifiable

*Except for areas that are associated with sources for which Pennsylvania 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 Pennsylvania as "attainment/unclassifiable."

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

The area that Pennsylvania elected to install and began timely operation of a new, approved SO₂ monitoring network is listed in Table 2. The EPA is required to designate these areas, pursuant to a court-ordered schedule, by December 31, 2020. Table 2 also lists the SO₂ emissions sources around which each new, approved monitoring network has been established.

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

Area	Source(s)
York County	Magnesita Refractories, PH Glatfelter Co, Talen Energy Brunner Island Power Plant