

Technical Support Document:

Chapter 45

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

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

For Wyoming, there have been no changes in Wyoming’s recommended designations since we communicated our intended designations for areas in Wyoming, with the exception of a minimal alteration to the boundary of the partial Fremont County attainment/unclassifiable area. In addition, neither Wyoming 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 Wyoming 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, with the exception of the change to the partial Fremont County boundary as discussed below. All the final designations are listed in Table 1 below.

For the areas in Wyoming 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 Wyoming’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.

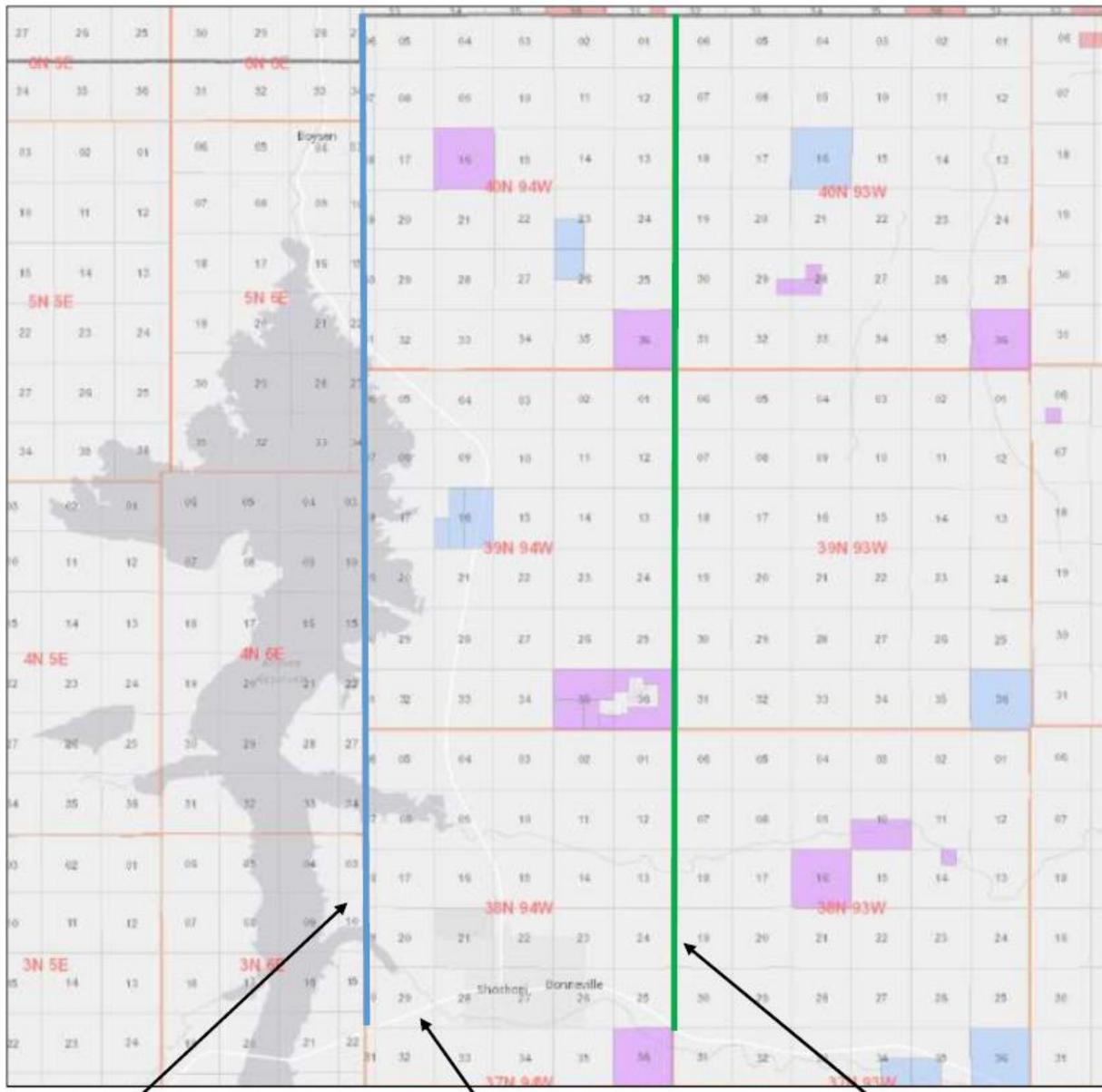
The EPA received comments from two entities regarding the intended designations for areas in Wyoming. These comments are addressed in the Response to Comments document associated with this final action.

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>

With regard to Fremont County, Wyoming, in the TSD for our intended designations the EPA noted that we would designate all portions of Fremont County as unclassifiable/attainment “apart from the area north of Highway 20 and east of the Wind River Reservation. The EPA must designate this area by December 31, 2020.” In this final designation, the EPA is extending the portion of Fremont County that will be designated as attainment/unclassifiable east by 8.4 kilometers, and changing the description of this boundary from “the Wind River Reservation” to the western border of Township 40N-Range 93W, T39N-R93W, and T38N-R93W. The northern boundary of this portion of the Fremont County attainment/unclassifiable area, U.S. Route 20, remains unchanged. This eastern boundary change is reflected in Figure 1, below.

Figure 1. Change to Fremont County partial designation boundary from intended designations.



Intended Boundary

U.S. Route 20

Final Boundary

Table 1. Summary of the EPA’s Final Designations and the Designation Recommendations by Wyoming

Area/ County	Wyoming’s Recommended Area Definition	Wyoming’s Recommended Designation	EPA’s Intended Designation	EPA’s Final Area Definition	EPA’s Final Designation³
Albany County	Entire county	Attainment	Unclassifiable / Attainment	Same as State’s	Attainment/ Unclassifiable
Big Horn County	Entire county	Attainment	Unclassifiable / Attainment	Same as State’s	Attainment/ Unclassifiable
Campbell County	Entire county	Attainment	Unclassifiable / Attainment	Same as State’s	Attainment/ Unclassifiable
Crook County	Entire county	Attainment	Unclassifiable / Attainment	Same as State’s	Attainment/ Unclassifiable
Fremont County (p) ¹	Entire county	Attainment	Unclassifiable / Attainment	All areas west of the western border of Township 40N-Range 93W, T39N- R93W, and T38N- R93W, and south of US Route 20. ²	Attainment/ Unclassifiable
Goshen County	Entire county	Attainment	Unclassifiable / Attainment	Same as State’s	Attainment/ Unclassifiable
Hot Springs County ¹	Entire county	Attainment	Unclassifiable / Attainment	Same as State’s	Attainment/ Unclassifiable
Johnson County	Entire county	Attainment	Unclassifiable / Attainment	Same as State’s	Attainment/ Unclassifiable
Laramie County	Entire county	Attainment	Unclassifiable / Attainment	Same as State’s	Attainment/ Unclassifiable
Lincoln County	Entire county	Attainment	Unclassifiable / Attainment	Same as State’s	Attainment/ Unclassifiable
Natrona County	Entire county	Attainment	Unclassifiable / Attainment	Same as State’s	Attainment/ Unclassifiable
Niobrara County	Entire county	Attainment	Unclassifiable / Attainment	Same as State’s	Attainment/ Unclassifiable
Park County	Entire county	Attainment	Unclassifiable / Attainment	Same as State’s	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	Wyoming's Recommended Area Definition	Wyoming's Recommended Designation	EPA's Intended Designation	EPA's Final Area Definition	EPA's Final Designation ³
Platte County	Entire county	Attainment	Unclassifiable / Attainment	Same as State's	Attainment/ Unclassifiable
Sheridan County	Entire county	Attainment	Unclassifiable / Attainment	Same as State's	Attainment/ Unclassifiable
Sublette County	Entire county	Attainment	Unclassifiable / Attainment	Same as State's	Attainment/ Unclassifiable
Sweetwater County (p)	Entire County	Attainment	Unclassifiable /Attainment	All areas of the county east of Highway 191.	Attainment/ Unclassifiable
Teton County	Entire county	Attainment	Unclassifiable / Attainment	Same as State's	Attainment/ Unclassifiable
Uinta County	Entire county	Attainment	Unclassifiable / Attainment	Same as State's	Attainment/ Unclassifiable
Washakie County	Entire county	Attainment	Unclassifiable / Attainment	Same as State's	Attainment/ Unclassifiable
Weston County	Entire county	Attainment	Unclassifiable / Attainment	Same as State's	Attainment/ Unclassifiable

¹ Includes areas of Indian country located in the county. The EPA is not determining the boundaries of any area of Indian country in this document, including any area of Indian country located in the larger designation area. The inclusion of any Indian country in the designation area is not a determination that the state has regulatory authority under the Clean Air Act for such Indian country. The EPA recognizes that the Northern Arapaho Tribe and the Eastern Shoshone Tribe are federally-recognized Tribes and separate sovereign governmental entities from the State.

² As noted, this represents a change from the intended boundary of the Fremont County partial designation. (p) indicates portion of county.

Areas for which Wyoming elected to install and began operation of a new, approved SO₂ monitoring network are 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 Which the EPA Is Not Addressing in this Round of Designations (and Associated Source or Sources)

Area	Source(s)
Carbon County	Sinclair
Converse County	PacifiCorp - Dave Johnston
Fremont County (p)	Lost Cabin Gas Plant
Sweetwater County (p)	Solvay Chemicals – Solvay Green River TATA Chemicals – Green River Works Westvaco Facility Tronox Alkali – Granger