

# Technical Support Document:

## Chapter 9

### Final Round 4 Area Designations for the 2010 1-Hour SO<sub>2</sub> Primary National Ambient Air Quality Standard for Virginia

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. The TSD for EPA’s intended designations also described Virginia’s recommended designations and EPA’s assessment of the available information.

There have been no changes to Virginia’s designations since EPA communicated its intended designations in August 2020. In addition, neither Virginia nor any other party submitted additional relevant information since the publication of the NOA. EPA is finalizing the designations for areas in Virginia that we described in our 120-day letter 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 in Virginia 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. Summary of EPA’s Final Designations and the Designation Recommendations by Virginia**

<b>Area/County</b>	<b>Virginia’s Recommended Area Definition</b>	<b>Virginia’s Recommended Designation</b>	<b>EPA’s Intended Designation</b>	<b>EPA’s Final Area Definition</b>	<b>EPA’s Final Designation</b>
Giles County (partial)	43 Coordinates around Lhoist – Kimballton Plant (See Table 2)	Nonattainment	Nonattainment	Same as Commonwealth’s Recommendation	Nonattainment
Remaining portion of Giles County*	Remaining portion of Giles County not included in the nonattainment boundary	Attainment/ Unclassifiable	Attainment/ Unclassifiable	Same as Commonwealth’s Recommendation	Attainment/ Unclassifiable
Alleghany County/City of Covington*	Alleghany County/ City of Covington	Attainment/ Unclassifiable	Attainment/ Unclassifiable	Same as Commonwealth’s Recommendation	Attainment/ Unclassifiable
Botetourt County*	Botetourt County	Attainment/ Unclassifiable	Attainment/ Unclassifiable	Same as Commonwealth’s Recommendation	Attainment/ Unclassifiable

\* EPA addresses this area in Chapter 2 with all other areas which EPA is designating “attainment/unclassifiable” or “unclassifiable.”

Areas that the EPA previously designated in Round 1 (*see* 78 FR 47191), Round 2 (*see* 81 FR 45039 and 81 FR 89870), and Round 3 (*see* 83 FR 1098 and 83 FR 14597) are not affected by the designations in Round 4.

**Table 2. Giles County, Virginia Nonattainment Boundary Coordinates (decimal degrees)**

<b>Boundary Point</b>	<b>Latitude*</b>	<b>Longitude*</b>
0	37.385249	-80.718248
1	37.431656	-80.619986
2	37.391368	-80.597698
3	37.369986	-80.649488
4	37.354441	-80.642085
5	37.338479	-80.676322
6	37.339474	-80.676771
7	37.340652	-80.677123
8	37.341580	-80.677298
9	37.343330	-80.678318
10	37.344937	-80.679026
11	37.345866	-80.679692
12	37.347105	-80.680670
13	37.347976	-80.681783
14	37.348229	-80.682898
15	37.348480	-80.683657
16	37.348185	-80.684689
17	37.347824	-80.685948
18	37.347241	-80.687983
19	37.346509	-80.689766
20	37.346075	-80.691489
21	37.345317	-80.693571
22	37.345091	-80.694767
23	37.344900	-80.696603
24	37.344679	-80.697755
25	37.344700	-80.698520
26	37.344989	-80.699570
27	37.345395	-80.700635
28	37.345740	-80.701485
29	37.347021	-80.701929
30	37.348308	-80.701922
31	37.349556	-80.701498
32	37.350789	-80.701099
33	37.352718	-80.700642
34	37.354894	-80.700352
35	37.356601	-80.700486
36	37.358442	-80.700844
37	37.359567	-80.701852
38	37.361185	-80.702914
39	37.361950	-80.703726
40	37.362516	-80.705580
41	37.362901	-80.707040
42	37.363285	-80.708539

\*Geographic Coordinate System: GCS\_North\_American\_1983; Datum: D\_North\_American\_1983