

APPENDIX 2

2024 ANNUAL SO₂ DESIGN VALUES FOR ALL SITES IN CALIFORNIA

2024 Federal Secondary Annual SO₂ Design Values¹ by Air Basin***

a. Great Basin Valleys Air Basin

AQS ID	County	Site Name	2022 Annual Avg. (ppb)	2023 Annual Avg. (ppb)	2024 Annual Avg. (ppb)	2024 Annual DV (ppb)
060270002	Inyo	WMRC/NCORE	0.2	0.3	0.2*	0*

b. North Coast Air Basin

AQS ID	County	Site Name	2022 Annual Avg. (ppb)	2023 Annual Avg. (ppb)	2024 Annual Avg. (ppb)	2024 Annual DV (ppb)
060231004	Humbolt	Jacobs	0.4	0.3	0.4	0

c. Sacramento Valley Air Basin

AQS ID	County	Site Name	2022 Annual Avg. (ppb)	2023 Annual Avg. (ppb)	2024 Annual Avg. (ppb)	2024 Annual DV (ppb)
060670006	Sacramento	Sacramento-Del Paso Manor	0.1*	0.1	0.1*	0*

d. Salton Sea Air Basin

AQS ID	County	Site Name	2022 Annual Avg. (ppb)	2023 Annual Avg. (ppb)	2024 Annual Avg. (ppb)	2024 Annual DV (ppb)
060250005	Imperial	Calexico-Ethel Street	0.4	0.3	0.4	0

e. San Francisco Bay Area Air Basin

AQS ID	County	Site Name	2022 Annual Avg. (ppb)	2023 Annual Avg. (ppb)	2024 Annual Avg. (ppb)	2024 Annual DV (ppb)
060010011	Alameda	Oakland West	-0.1 ²	0.0	0.2 ³	0**
060130002	Contra Costa	Concord	0.4	0.6	0.2 ³	0**
060130006	Contra Costa	Richmond-7 th Street	0.2	0.4	0.1 ³	0**
060131001	Contra Costa	Crockett-Kendall Ave	1.1	1.3	0.6 ³	1**
060131002	Contra Costa	Bethel Island	1.2	1.4	0.0 ³	1**
060131004	Contra Costa	San Pablo	1.4	1.3	0.7 ³	1**
060132001	Contra Costa	Martinez-Jones Street	1.6	1.3	0.5 ³	1**
060850005	Santa Clara	San Jose-Jackson	0.2	0.1	0.1 ³	0**
060950004	Solano	Vallejo	1.0	0.2	1.6 ³	1**

f. San Diego Air Basin

AQS ID	County	Site Name	2022 Annual Avg. (ppb)	2023 Annual Avg. (ppb)	2024 Annual Avg. (ppb)	2024 Annual DV (ppb)
060731022	San Diego	El Cajon-Lexington Elementary School	0.1	0.1*	0.1*	0*

g. San Joquin Valley Air Basin

AQS ID	County	Site Name	2022 Annual Avg. (ppb)	2023 Annual Avg. (ppb)	2024 Annual Avg. (ppb)	2024 Annual DV (ppb)
060190011	Fresno	Fresno-Garland	0.3*	0.4	0.6	0*

h. South Central Coast Air Basin

AQS ID	County	Site Name	2022 Annual Avg. (ppb)	2023 Annual Avg. (ppb)	2024 Annual Avg. (ppb)	2024 Annual DV (ppb)
060792004	San Luis Obispo	Mesa2	1.0	0.3	0.2	1
060832004	Santa Barbara	Lompoc H Street	0.3	0.1	0.5	0

i. South Coast

AQS ID	County	Site Name	2022 Annual Avg. (ppb)	2023 Annual Avg. (ppb)	2024 Annual Avg. (ppb)	2024 Annual DV (ppb)
060371103	Los Angeles	Los Angeles-North Main Street	0.3	0.2	0.1	0
060374009	Los Angeles	Signal Hill (LBSH)	0.5	0.3	0.3	0
060658001	Riverside	Rubidoux	0.5	0.2	0.2	0
060712002	San Bernardino	Fontana	0.5	0.2	0.2	0

¹The 2024 Federal Secondary Annual SO₂ Design Values were calculated based on the 3-year average of the annual mean of daily mean concentrations (2022, 2023, 2024). The Federal Secondary Annual SO₂ Standard is 10 ppb and was made effective on January 27, 2025. All Federal Secondary Annual SO₂ Design Values in California are below the standard of 10 ppb.

²The U.S. EPA accepts negative concentration values down to the negative of the Method Detection Limit (MDL).

³Data have not yet been certified.

*Does not meet the U.S. EPA's data completeness criteria.

**Design value is considered invalid because 2024 data have not yet been certified.

***No monitoring data are available for the following air basins: Lake County, Lake Tahoe, Mojave Desert, Mountain Counties, North Central Coast, and Northeast Plateau.