

**WAC 173-476-130 Ambient air quality standards for sulfur oxides (sulfur dioxide). (1) Standard for sulfur oxides (measured as sulfur dioxide).**

(a) Annual. The annual average concentration for sulfur oxides in the ambient air must not exceed 0.02 ppmv in a calendar year.

(b) Twenty-four-hour. The twenty-four-hour average concentration for sulfur oxides in the ambient air must not exceed 0.14 ppmv more than once per calendar year. The twenty-four-hour averages must be determined from successive nonoverlapping twenty-four-hour blocks starting at midnight each calendar day.

(c) Three-hour. The three-hour average concentration for sulfur oxides in the ambient air must not exceed 0.5 ppmv more than once per calendar year. The three-hour averages must be determined from successive nonoverlapping three-hour blocks starting at midnight each calendar day.

(d) One-hour. The three-year average of the annual ninety-ninth percentile of the daily maximum one-hour average concentrations for sulfur oxides in the ambient air must not exceed 75 ppbv.

(2) **Measurement method.** The levels of sulfur oxides must be measured as sulfur dioxide by:

(a) A FRM based on 40 C.F.R. Part 50, Appendix A-1 or A-2; or

(b) A FEM designated according to 40 C.F.R. Part 53.

(3) **Interpretation methods.**

(a) The annual arithmetic mean is based on the average of hourly data. To be used in calculating the annual average, the hourly data must be at least seventy-five percent complete in each calendar quarter of the year.

(b) The interpretation method for the twenty-four-hour average found in 40 C.F.R. Part 50.4(d) must be followed.

(c) The interpretation method for the three-hour average found in 40 C.F.R. Part 50.5(c) must be followed.

(d) The interpretation method for the one-hour average found in 40 C.F.R. Part 50, Appendix T must be followed.

(4) **Rounding of values.**

(a) The annual arithmetic mean and twenty-four-hour averages must be rounded to two decimal places. Fractional parts equal to or greater than 0.005 ppmv must be rounded up.

(b) The three-hour standard averages must be rounded to one decimal place. Fractional parts equal to or greater than 0.05 ppmv must be rounded up.

(5) **Sunset provision.** The ambient standards in WAC 173-476-130 (1)(a) and (b) are no longer applicable in a specific area one year after the effective date of the EPA's designation of attainment status of that area for the standard in WAC 173-476-130 (1)(d) and 40 C.F.R. 50.17.

[Statutory Authority: Chapter 70.94 RCW. WSR 13-24-010 (Order 12-05), § 173-476-130, filed 11/21/13, effective 12/22/13.]