

3745-17-02

**Ambient air quality standards.**

[Comment: For dates of non-regulatory government publications, publications of recognized organizations and associations, federal rules, and federal statutory provisions referenced in this rule, see the last paragraph of rule 3745-17-01 of the Administrative Code titled "Incorporation by reference."]

- (A) Primary ambient air quality standards define levels of air quality which are necessary, with an adequate margin of safety, to protect the public health. Secondary ambient air quality standards define levels of air quality which are necessary to protect the public welfare from any known or anticipated adverse effects of a pollutant. ~~For total suspended particulates, the twenty-four-hour primary and secondary ambient air quality standards are identical, and the annual primary and secondary ambient air quality standards are identical.~~
- (B) For the purpose of determining attainment of the primary and secondary standards, ~~total suspended particulates~~ shall be measured in the ambient air as both particles with an aerodynamic diameter less than or equal to a nominal ten micrometers (PM<sub>10</sub>) and particles with an aerodynamic diameter less than or equal to a nominal 2.5 micrometers (PM<sub>2.5</sub>).
- (C) The level of the primary and secondary twenty-four-hour ambient air quality standards for ~~total PM<sub>10</sub> suspended particulates~~ is one hundred fifty micrograms per cubic meter, twenty-four-hour average concentration. The standards are attained when the expected number of days per calendar year with a twenty-four-hour average concentration above one hundred fifty micrograms per cubic meter, as determined in accordance with "Appendix K" of 40 CFR, part 50, Appendix K (as such appendix existed on July 18, 1997 and amended on April 22, 1999), is equal to or less than one.
- ~~(D) The level of the primary and secondary annual standards for total suspended particulates is fifty micrograms per cubic meter, annual arithmetic mean. The standards are attained when the expected annual arithmetic mean concentration, as determined in accordance with "Appendix K" of 40 CFR, part 50 (as such appendix existed on July 18, 1997 and amended on April 22, 1999), is less than or equal to fifty micrograms.~~
- (D) The level of the primary and secondary twenty-four-hour standards for PM<sub>2.5</sub> is thirty-five micrograms per cubic meter, twenty-four-hour average concentration. The standards are attained when the ninety-eighth percentile twenty-four-hour average concentration, as determined in accordance with 40 CFR Part 50, Appendix N, is less than or equal to thirty-five micrograms per cubic meter.
- (E) The level of the primary and secondary annual standards for PM<sub>2.5</sub> is fifteen micrograms per cubic meter, annual average concentration. The standards are attained when the three-year average concentration as determined in accordance

with 40 CFR Part 50, Appendix N, is less than or equal to fifteen micrograms per cubic meter.

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CERTIFIED ELECTRONICALLY

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Certification

01/22/2008

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Date

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