

**FOR INCLUSION IN WYOMING STATE IMPLEMENTATION PLAN  
FROM WYOMING AIR QUALITY STANDARDS AND REGULATIONS**

**Ambient Standards**

**CHAPTER 2**

**Section 2. Ambient standards for particulate matter.**

(a) PM<sub>10</sub>: The ambient air standards for PM<sub>10</sub> particulate matter are:

(i) 150 micrograms per cubic meter--24-hour average concentration with not more than one expected exceedance per year.

(A) Attainment of the 24-hour standard is determined in accordance with Appendix K of 40 CFR part 50.

(ii) For the purpose of determining attainment of the standards, particulate matter shall be measured in the ambient air as PM<sub>10</sub> (particles with an aerodynamic diameter less than or equal to a nominal 10 micrometers), by a reference method based on 40 CFR part 50, Appendix J and designated in accordance with 40 CFR part 53 or an equivalent or alternate method designated in accordance with 40 CFR part 53.

(b) PM<sub>2.5</sub>: The primary and secondary ambient air quality standards for PM<sub>2.5</sub> particulate matter are:

(i) 15 micrograms per cubic meter ( $\mu\text{g}/\text{m}^3$ ) annual arithmetic mean concentration and;

(ii) 35 micrograms per cubic meter ( $\mu\text{g}/\text{m}^3$ )--98<sup>th</sup> percentile 24-hour average concentration.

(iii) Attainment of the annual and 24-hour standards is determined in accordance with Appendix N of 40 CFR part 50.

(iv) For the purpose of determining attainment of the standards, particulate matter shall be measured in the ambient air as PM<sub>2.5</sub> (particles with an aerodynamic diameter less than or equal to a nominal 2.5 micrometers), by a reference method based on 40 CFR part 50, Appendix L and designated in accordance with 40 CFR part 53 or an equivalent or alternate method designated in accordance with 40 CFR part 53.

(c) Ambient air, for the area bounded by Townships 40 through 52 North, and Ranges 69 through 73 West, inclusive, of the Sixth Principal Meridian, Campbell and Converse Counties, in the Powder River Coal Basin, is defined as that portion of the

atmosphere, external to buildings, to which the general public has access. For surface mining operations, the application of this definition will be limited to only those lands that are necessary to conduct mining operations as determined by the Administrator of the Wyoming Air Quality Division.