

1 15A NCAC 02D .0410 is amended as follows:

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3 **15A NCAC 02D .0410 PM2.5 PARTICULATE MATTER**

4 (a) The national primary ambient air quality standards for ~~PM2.5 particulate matter~~ are:

5 (1) ~~15.0 micrograms per cubic meter (ug/m3), annual arithmetic mean concentration; and~~

6 (2) ~~35 micrograms per cubic meter (ug/m3), 24-hour average concentration.~~

7 PM<sub>2.5</sub> are 12.0 micrograms per cubic meter (µg/m<sup>3</sup>) annual arithmetic mean concentration and 35 µg/m<sup>3</sup> 24-hour average  
8 Concentration measured in the ambient air as PM<sub>2.5</sub> (particles with an aerodynamic diameter less than or equal to a  
9 nominal 2.5 micrometers) by either:

10 (1) A reference method based on appendix L to 40 CFR Part 50 and designated in accordance with 40  
11 CFR Part 53; or

12 (2) An equivalent method designated in accordance with 40 CFR Part 53.

13 ~~These standards are attained when the annual arithmetic mean concentration is less than or equal to 15.0 ug/m3 and when~~  
14 ~~the 98th percentile 24-hour concentration is less than or equal to 35 ug/m3, as determined according to Appendix N of 40~~  
15 ~~CFR Part 50.~~

16 (b) The primary annual PM2.5 standard is met when the annual arithmetic mean concentration, as determined in  
17 accordance with appendix N of 40 CFR Part 50, is less than or equal to 12.0 mg/m3.

18 ~~(b) For the purpose of determining attainment of the standards in Paragraph (a) of this Rule, particulate matter shall be~~  
19 ~~measured in the ambient air as PM2.5 (particles with an aerodynamic diameter less than or equal to a nominal 2.5~~  
20 ~~micrometers) by either:~~

21 (1) ~~a reference method based on Appendix L of 40 CFR Part 50 and designed according to 40 CFR Part~~  
22 ~~53; or~~

23 (2) ~~an equivalent method designed according to 40 CFR Part 53.~~

24 (c) The primary 24-hour PM2.5 standard is met when the 98<sup>th</sup> percentile 24-hour concentration, as determined in  
25 accordance with appendix N of 40 CFR Part 50, is less than or equal to 35 mg/m3.

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27 *History Note: Authority G.S. 143-215.3(a)(1); 143-215.107(a)(3);*

28 *Eff. April 1, 1999;*

29 *Amended Eff. January 1, 2010-2010;*

30 *Amended Eff. May 1, 2015.*

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