

RULE SUMMARY

Subject: **Revisions to the particulate matter rule (PM2.5) (524)**

Rule Citation	What is Changed	Purpose of Change (Why)	Who is Affected and How	Impacts
15A NCAC 02D .0410 PM2.5 Particulate Matter	The proposed changes to .0410 revise the level of the annual arithmetic mean concentration from the current level, established in October 17, 2006, of 15.0 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$) to $12.0\mu\text{g}/\text{m}^3$ and leave the current 24-hour average concentration of $35.0\mu\text{g}/\text{m}^3$ unchanged.	This rule change is identical to the requirements of 40 CFR 50.18 that the DAQ is required to implement in accordance with the CAA Section 107(a), "Each State shall have the primary responsibility for assuring air quality within the entire geographic area comprising such State by submitting an implementation plan for such State which will specify the manner in which national primary and secondary ambient air quality standards will be achieved and maintained within each air quality control region in such State."	Based on the 2010 – 2012 ambient monitoring data, all counties in North Carolina are below the newly established $12\mu\text{g}/\text{m}^3$ annual standard and the established daily $35\mu\text{g}/\text{m}^3$ standard. DAQ will need to relocate only one monitor to meet the EPA monitoring requirements. The Mecklenburg County Air Quality local program will also need to relocate one monitor to meet the EPA monitoring requirements. The cost of the relocation does not affect the state and local funds and is expected to be negligible.	The state and local funds will not be affected.