

RULE SUMMARY

Subject: **Federal Deferral of Carbon Dioxide (CO₂) Emissions from Combustion of Biomass (496)**

Rule Citation	What is Changed	Purpose of Change (Why)	Who Is Affected and How	Impacts
<p>15A NCAC 02D .0544, Prevention Of Significant Deterioration Requirements For Greenhouse Gases</p>	<p>On March 21, 2011, the United States Environmental Protection Agency (USEPA) proposed to defer application of the PSD and Title V permitting requirements to biogenic carbon dioxide (CO₂) emissions from bioenergy and other biogenic stationary sources for three years. The deferral was promulgated on July 20, 2011 (76 FR 43490).</p>	<p>To update the PSD for GHG rule in order to reflect the three year federal deferral from consideration of CO₂ emissions from combustion of biomass.</p>	<p>New facilities that emit GHGs of at least 100,000 tpy on a CO₂e basis and modifications at existing facilities that increase GHG emissions by at least 75,000 tpy on a CO₂e basis even if they do not significantly increase emissions of any other pollutant when biogenic CO₂ emissions are included in the PSD threshold determination. Stationary sources that emit biogenic CO₂ emissions and construct or modify during the deferral period will avoid the application of PSD to those biogenic CO₂ emissions.</p>	<p>New or existing facilities that exceed PSD threshold limits for other criteria pollutants would save approximately \$10K by not needing to do a BACT analysis for CO₂. New or existing facilities that would be required to get a PSD permit due to biogenic CO₂ emissions may or may not need to install additional control equipment for other pollutants such as particulate matter (PM) or nitrogen oxides (NO_x) depending on if the other criteria pollutants exceed their significance levels.</p> <p>DAQ would lose PSD fees if the deferral allowed a facility to avoid PSD.</p>