
**EMISSION MEASUREMENT CENTER
TECHNICAL INFORMATION DOCUMENT**

BACKGROUND

The methods for measuring PM₁₀ emissions, Methods 201 and 201A, were promulgated on April 17, 1990 (55 FR 14246). The Environmental Protection Agency (EPA) stated in the preamble that "The PM₁₀ methods are not recommended for stacks with entrained moisture droplets because water drops larger than PM₁₀, which are captured by the 1 $\frac{1}{2}$ PM cyclone, may contain particles which normally would be counted as PM₁₀."

Since promulgation, there have been many questions on how to measure PM₁₀ emissions in the presence of water droplets, such as after a wet scrubber.

RECOMMENDATION

Methods 201 and 201A are not applicable for in-stack PM₁₀ measurement in stack gases containing water droplets. Where water droplets are known to exist in the emissions and when PM₁₀ measurement is desired, EPA recommends that Method 5 (or a comparable method) be used and its particulate catch be considered as PM₁₀ emissions.