

List of Abbreviations and Terms

AQI	Air Quality Index - An numerical and color coded index for reporting timely air quality to the public for five major pollutants: ground-level ozone, particulate matter, carbon monoxide, sulfur dioxide, and nitrogen dioxide.
Bias (total)	The systematic or persistent distortion of a measurement process which causes errors in one direction.
BAM	Beta Attenuation Monitor - A monitor that uses a source and detector of emitted beta particles to determine the collection of particulate matter.
CAC	Correlated Acceptable Continuous (<i>as currently applied</i>) - A continuous PM2.5 monitor collocated with a FRM having sufficient comparability to allow for a reduction in sample frequency of the FRM from daily to one in three days.
CAMM	Continuous Ambient Mass Monitor - A monitor that measures changes in pressure drop across a filter tape with particulate matter collected on it to determine the concentration of fine particulate.
CASAC	Clean Air Science Advisory Committee - A group charged with statutorily mandated responsibility to review and offer scientific and technical to the Administrator on the air quality criteria and regulatory documents which form the basis for the National Ambient Air Quality Standards.
DQO	Data Quality Objectives - Are qualitative and quantitative statements that clarify study objectives, define the appropriate type of data, and specify tolerable levels of potential errors, that will be used as the basis for establishing the quality and quantity of data needed to support decisions.
FEM	Federal Equivalent Method - A method for measuring the concentration of an air pollutant in the ambient air that has been designated as an equivalent method in accordance with 40 CFR Part 53.
FRM	Federal Reference Method
Measurement Precision (total)	A measure of the mutual agreement among individual measurements of the same property, usually under prescribed similar conditions, expressed generally in terms of the standard deviation.

Primary Monitor	Identifies one instrument as the sanctioned monitor for comparison to the NAAQS when there are multiple instruments measuring the same pollutant at the same site.
REM	Regional Equivalent Monitor - A potential new type of equivalent monitor being proposed in this document that would be limited geographically in its approval to where its performance has been successfully demonstrated.
SAMWG	State Air Monitoring Working Group
SES	Sample Equilibration System - A technology utilizing a Naphion® dryer that allows sample flow streams to be conditioned to low humidity and temperature.
STAPPA/ALAPCO	State and Territorial Air Pollution Program Administrators / Association of Local Air Pollution Control Officers
TEOM	Tapered Element Oscillating Microbalance - A particulate matter continuous monitor that utilizes an inertial balance which directly measures the mass collected on a filter by measuring the frequency changes on a tapered element.