

Ken Stroud
California Air Resources Board

Implications of the New Standard

Previous Standard

Est. Population = 19,000,000



Revised Standard

Est. Population = 31,000,000

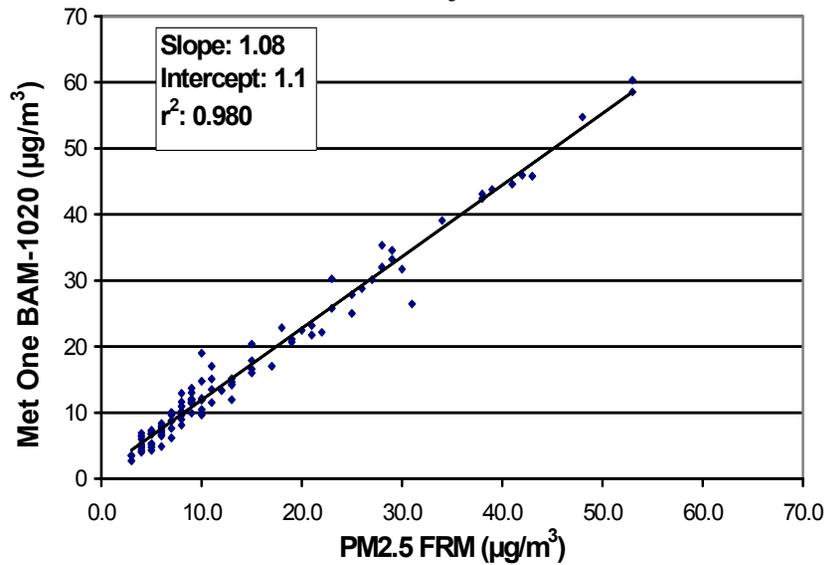


Implications of Revised Rule

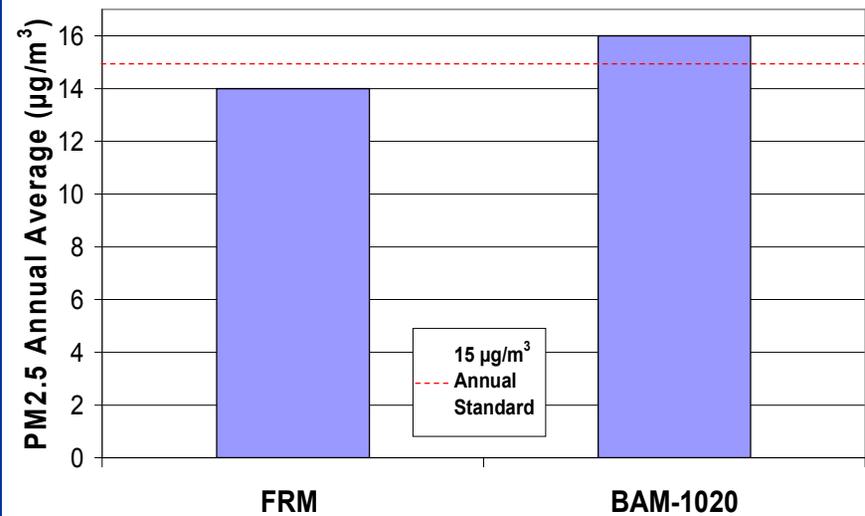
- Increase to daily sampling at three sites
- Greatest potential implications depend on how FEM/ARM process goes

Short Term & Long Term Comparison

Modesto - 14th St.
Met One BAM-1020 vs. PM2.5 FRM
June 2004 - May 2005



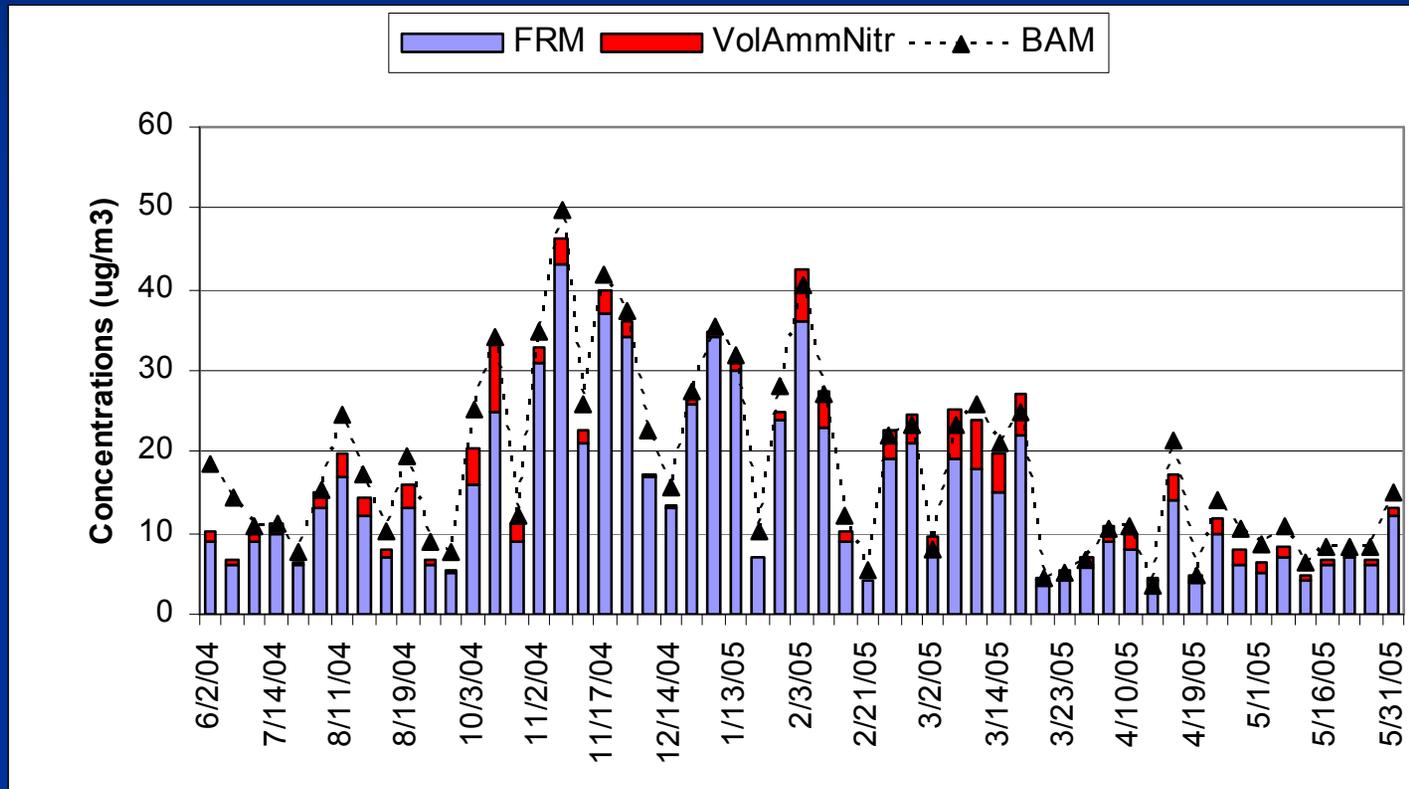
Modesto - 14th St.
Met One BAM-1020 vs. PM2.5 FRM
June 2004 - May 2005



Basic Elements of a Continuous PM Program

- Comprehensive SOP for continuous instruments
- Submittal of QC data
- Don't "adjust" data
- For FEM/ARM designation, consider "real world" data in addition to test data

FRM and Continuous Methods Measure Different Stuff



FRM mass adjusted for nitrate volatilization to BAM-1020 at Fresno-1st Street monitoring site.

PM Monitoring Priorities

- Addition of “Wood Smoke” channel to SLAMS speciation program
- Characterization of diesel component of PM
- Continuous PM speciation monitoring with Field Ion Chromatograph
- 3rd Generation Data Acquisition System