



**AQS & The  
NAAQS  
Revisions**

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# Continuous PM<sub>2.5</sub> Reporting

- 5 PM<sub>2.5</sub> Parameter Codes Exist in AQS
  - 88101: “Good ‘ole PM<sub>2.5</sub>”
    - FRM & FEMs ONLY
    - Used for NAAQS Determinations
  - 88502: Acceptable AQI & Speciation Mass
    - Within 10% Bias of an FRM / FEM
  - 88501: Raw Data (Outside of 10% Bias)
  - 88500: Total Atmospheric PM<sub>2.5</sub> (FDMS)
    - Includes base and reference channels
  - 88503: PM<sub>2.5</sub> Volatile Channel (FDMS)
    - Reference channel only
- Should be Used Beginning Jan 1, 2007
- Conversion from Existing 88101 → 885xx Available From NADG

# PM<sub>2.5</sub> Composite Sites

- 40 CFR Part 50 Appendix N, Section 3.0
- Statistics Based on “Site-Level” Basis
  - Take all the Data from Primary Monitor
  - Augment with Collocated Samplers
    - If there are multiple collocated, average of all the collocated values will be used
- Definitions of Primary & Collocated Samplers Must be Defined in AQS
- Data Collected from the Primary & Collocated Samplers must be in AQS

# Part 58 - Appendix A Implications

- From Rep Orgs → PQAO's
  - AQS Team will Perform a “Best Guess” Based on Current Configuration & Input to Mike Papp
  - All New PQAO will have a Start Date of January 1, 2007
- DASC Tool
  - Excel Workbook to Assist in Calculations of New Statistics
- Tracking of Technical System Audits in AQS
  - Available Only to EPA Personnel



# Importance of PM<sub>2.5</sub> Meta-Data

- Project Type
  - 44% Active Monitors Not Defined
  - 42% Defined as “Population Oriented”
- Monitor Collocation
  - Composite Sites
  - Automatic Collocation Audit Generation
- Latitude / Longitude