

# AQS Ambient Monitoring- Data Certification

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David Lutz

# Part 58 Monitoring Regulation Development

1. 1977-1979 SAMWG formed
2. Consisted of OAQPS, EPA Regional Offices, and State/local agencies
3. Formulated strategy for uniform:
  - network design
  - probe sitting criteria
  - standardized sampling instrumentation
  - standardized precision and accuracy measurements
  - data reporting

# Part 58 Monitoring Regulations (continued)

1. Part 58 monitoring regulations promulgated in May 1979
2. Regulations included certification requirement of data on a yearly basis

# Data Certification History

1. 1981-2002 (no review of P&A data)
2. 2002-2006
  - Started linking precision and accuracy data with air quality monitoring data
3. 2006 to present
  - Regulations modified in 2006 to include parameters other than criteria pollutants

# Data Certification History (Continued)

- Required data for certification included:
  - a. PAMS data
  - b. Continuous PM-2.5 data
  - c. Filter based PM-2.5 speciation monitors
  - d. NCore precursor gas monitors for CO, SO<sub>2</sub>, NO/NO<sub>x</sub>/NO<sub>y</sub>

# Agency Certification Submittal (letter)

1. State/local Agency submits signed certification letter
2. EPA Regional Office reviews package
3. EPA/OAQPS reviews letter to confirm letter was signed

# Agency Certification Submittal (AMP450)

1. Review selection criteria
2. Review maximum concentrations
3. Review number of observations

# Agency Certification Submittal AMP255

1. Gases - need 75 % completeness for each site for 1-point quality control check
2. Pb, PM-10, PM-2.5 – need 75 percent completeness for each collocation requirement



# Agency Certification Submittal AMP450NC

1. Review selection criteria
2. Review maximum concentrations
3. Determine if VOC, PM-2.5 speciation data are included
4. For each PM-2.5 site, determine if ambient temperature and pressure are included per Part 58.16(a)
5. Collocation requirements met for particulates

# Certification Data Submittal Problems

1. Certification letter not signed
2. Certification letter does not explain site/parameters to be (or not) excluded
3. AMP450 selection criteria for each criteria pollutant parameter
4. AMP450NC selection criteria only for a small subset of parameters
5. PM-2.5 and PM-10 speciation parameters, and VOC not included

# Certification Data Submittal Problems (continued)

6. Semi-annual flow rate audits do not meet 5-7 month interval. Waiver will be granted for 2009 and 2010 data, but will be enforced for 2011 data.
7. Collocation requirement for each method code for PM-2.5 (daily and continuous). Waiver will be granted for 2009 and 2010 data, but will be enforced for 2010 data.
8. 75 % completion minimum for each sampler