

Section 5: Reporting, Record-Keeping

5.1 SLAMS Reporting Requirements.

- For each pollutant,
 - prepare a list of all monitoring sites and their AQS site identification codes in each primary quality assurance organization and submit the list to
 - the appropriate EPA Regional Office, and
 - AQS.
 - Report all changes in this list of monitoring sites in a PQAO to
 - the EPA Regional Office and
 - AQS.



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Section 5: Reporting, Record-Keeping

5.1.1 Quarterly Reports.

- QA/QC data: PQAQ/SLT reports on same schedule as network monitoring data,
- NPAP and PEP Surrogate reporting for most results
 - NPAP/TTP data availability
 - Draft at conclusion of Audit
 - Copy of results provided
 - Data Validation proceeds from this point and ends at final report.
 - PEP data comes from Filter analyses
 - Gravimetric or Chemical Analysis Requires approximately 30 days
 - 3 level Data Validation Requires additional 30 days



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Section 5: Reporting, Record-Keeping

- 5.1.1 Quarterly Reports—data availability issues
 - TTP Audit Results
 - Loaded by EPA into AQS after two weeks, if SLT has not loaded it
 - PEP data
 - will post to AQS only when date-corresponding Network data is posted



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Section 5: Reporting, Record-Keeping

- **5.1.1 Quarterly Reports—data availability issues**

Can PEP data be available prior to 90 days?

Answer: EPA will make single audit event data available to SLT and their respective EPA Regional office if the SLT makes the Network data point available to the Region.

PEP data cannot be substituted for network data reported to AQS nor can it be the sole justification for invalidating individual site monitoring results that would otherwise be reported to AQS



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Section 5: Reporting, Record-Keeping

5.1.2 Annual (and 3-year) reports

- EPA Reports uncertainty on calendar year basis after all network data has been certified
- EPA compiles a 3-year report to address DQO requirements and review trends
- All are posted on AMTIC
 - <http://www.epa.gov/ttn/amtic/qareport.html>



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Miscellaneous Topics

Programs not Specifically Covered under Appendix A

- Air Toxics Monitoring QA—Contact Dennis Mikel
 - Annual PT Samples
 - Independent Technical Systems Audits of Sites and Programs
 - Assessment of Precision through collocated sampling
 - Looking at QA MQO Indicators via Annual QA Report
 - All Administered through EPA, OAQPS



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Miscellaneous Topics

Programs not Specifically Covered under Appendix A

- PM_{2.5} Chemical Speciation Network (CSN) and IMPROVE
 - Assessment of Precision through collocated sampling (~6 sites)
 - Annual PE of laboratories
 - Administered by EPA, ORIA, NAREL Montgomery, AL
 - Independent Technical Systems Audits of Sites and Programs
 - CSN
 - Some Federal audits by Regions, OAQPS, ORIA-LV, and qualified contractors
 - Independent SLT Auditors
 - IMPROVE
 - Trained and certified auditors from Regions, OAQPS, SLTs, and qualified contractors



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Miscellaneous Topics

Resources-Regulations

- 40 CFR parts 50, 53, 58

<http://www.access.gpo.gov/nara/cfr/cfr-table-search.html>

Resources-Guidance

- EPA's Office of Environmental Quality Home Page: Guidance on Quality Systems, QAPP Development and Program and Data Quality Assessments

<http://www.epa.gov/quality1/>

- National Air Toxics Trends Monitoring Technical Assistance Document

<http://www.epa.gov/ttn/amtic/airtox.html>



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Miscellaneous Topics

Resources-Guidance

- AMTIC <http://www.epa.gov/ttn/amtic/>
- QA Handbook for Air Pollution Measurement Systems Volume II: Ambient Air Quality Monitoring Program
<http://www.epa.gov/ttn/amtic/files/ambient/pm25/qa/QA-Handbook-Vol-II.pdf>
- August 6, 2009 memorandum: National Performance Audit Program/PM2.5 Performance Evaluation Program Implementation Decision Memorandum for Calendar Year 2010—includes Adequacy Criteria for SLTs to assume programs
<http://www.epa.gov/ttn/amtic/npepqa.html>
- Transfer Standards for Calibration of Air Monitoring Analyzers for Ozone: Technical Assistance Document
<http://www.epa.gov/ttn/amtic/files/ambient/qaqc/Ozone%20Transfer%20Standard%20Guidance.pdf>



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Miscellaneous Topics

Resources--Guidance

- U. S. EPA Ambient Air Monitoring Protocol Gas Verification Program: Implementation Plan 2nd DRAFT 7/2009
http://www.epa.gov/ttn/amtic/files/ambient/qaqc/AA_PGVPIMPPlan7_09draft.pdf
- EPA NPAP TTP PE SOP COMPENDIUM (DRAFT FINAL, 1-12-05)
<http://www.epa.gov/ttn/amtic/files/ambient/npapsop/npapttpsop.pdf>
- Field Standard Operating Procedures for the Federal PM2.5 Performance Evaluation Program
http://www.epa.gov/ttn/amtic/files/ambient/pm25/qa/PEP_Field_SOP.pdf
- Pb Performance Evaluation Program
http://www.epa.gov/ttn/amtic/files/ambient/pb/Pb-PEImplementationPlan_7_09.pdf
- Model Quality Assurance Project Plan For the National Air Toxics Trends Stations
http://www.epa.gov/ttn/amtic/files/ambient/airtox/NATTS_Model_QAPP.pdf



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Miscellaneous Topics

Resources—Guidance

- Questions and Answers Related to the New AMP-255 Report
<http://www.epa.gov/ttn/amtic/files/ambient/qaqc/AMP255FAQ.pdf>
- Guideline on the Meaning and the Use Of Precision and Bias Data Required by 40 CFR Part 58 Appendix A
<http://www.epa.gov/ttn/amtic/files/ambient/qaqc/P&B%20Guidance%2010.10.07%20vers1.1.pdf>

Resources—National QA Workgroup

- QA National Meeting Presentations
<http://www.epa.gov/ttn/amtic/qamsmtg.html>



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Miscellaneous Topics

Resources--Reports

- 3-Year Quality Assurance Report Calendar Years 2005, 2006, and 2007 The SLAMS PM2.5 Ambient Air Monitoring Program
http://www.epa.gov/ttn/amtic/files/ambient/2005_2007%20PM2.5%20QA%20Report%202_09.pdf
- 2007 Criteria Pollutant Quality Indicator Summary Report for AQS Data 07/22/09 ZIP file at <http://www.epa.gov/ttn/amtic/parslist.html>
- Experimental Inter-comparison of Speciation Laboratories
http://www.epa.gov/ttn/amtic/files/ambient/pm25/spec/MultilabSpeciationPT2008_09Sep09.pdf
- National Air Toxics Trends Stations Quality Assurance Annual Report Calendar Year 2007 Final
<http://www.epa.gov/ttn/amtic/files/ambient/airtox/NATTS2007QAAnnualReport.pdf>



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