

Appendix E

Ambient Air Monitoring Quality Assurance Information and Web Addresses

The following information provides key guidance documents and reports that can be found on various sites within the Ambient Monitoring Technical Information Center (AMTIC) Website. The following identifiers are used to describe national ambient air monitoring programs:

SLAMS - State or Local Air Monitoring Stations Network
NCORE - National Core Network
PAMS - Photochemical Assessment Monitoring Stations
CSN PM2.5 - Chemical Speciation Network
NATTS - National Toxics Trends Network
SLAMS/NPAP - National Performance Audit Program
SLAM/PEP - National PM2.5 Performance Evaluation Program

Quality Assurance Information

| Identifier | Title | EPA Number | Pub Date Year | URL |
|---------------------------|---|-------------------|--------------------------------|---|
| GUIDANCE DOCUMENTS | | | | |
| CSN NATTS | Particulate Matter (PM2.5) Speciation Guidance Document NATTS Technical Assistance Document (TAD) | | 1999 2007 | http://www.epa.gov/ttn/amtic/files/ambient/pm25/spec/specinl.pdf http://www.epa.gov/ttn/amtic/airtox.html |
| NCore | NCore Technical Assistance Document (TAD) | | 2005 | http://www.epa.gov/ttn/amtic/files/ambient/monitorstrat/precursor/tadversion4.pdf |
| NCore | QA Handbook for Air Pollution Measurement Systems Volume IV Meteorological Measurement Systems Technical Assistance Document (TAD) for Sampling and | EPA-454/B-08-002 | 2008 | http://www.epa.gov/ttn/amtic/met.html |
| PAMS | Analysis of Ozone Precursors; | EPA/600-R-98/161 | 1998 | http://www.epa.gov/ttn/amtic/files/ambient/pams/newtad.pdf |
| SLAMS | QA Handbook for Air Pollution Measurement Systems Volume II | EPA-454/R-98-004 | 1998 | http://www.epa.gov/ttn/amtic/files/ambient/qaqc/redbook.pdf |
| SLAMS | Guideline on the Meaning and the Use of Precision and Bias Data Required by 40 CFR Part 58 Appendix A | EPA-545/B-07-001 | 2007 | http://www.epa.gov/ttn/amtic/files/ambient/qaqc/P&B%20Guidance%2010.10.07%20vers1.1.pdf |
| SLAMS PM2.5 | PM _{2.5} Quality Assurance Program Overview | | 1997 | http://www.epa.gov/ttn/amtic/files/ambient/pm25/ga/pm25ga.pdf |
| QA REPORTS | | | | |
| CSN NATTS | PM 2.5 Speciation Lab Audit Reports and Assessments National Air Toxics Trends Stations Quality Assurance Annual Reports and Proficiency Reports | | Various Years Various Years | http://www.epa.gov/ttn/amtic/pmspec.html http://www.epa.gov/ttn/amtic/airtoxqa.html |
| SLAMS | 2007 Quality Management Plan and Quality Assurance Project Plan Tracking Matrix as of June 25, 2007 | | 2007 | http://www.epa.gov/ttn/amtic/files/ambient/qaqc/Region%20Matrix%2006.25.07.pdf |
| SLAMS SLAMS-PM2.5 | Annual Precision, Bias and Completeness Reports for Criteria Pollutants 3-Year and Annual QA Reports | | Various Years Various Years | http://www.epa.gov/ttn/amtic/parslist.html http://www.epa.gov/ttn/amtic/anlqa.html |
| SLAMS-PEP | Laboratory Comparison Study of Gravimetric Laboratories Performing PM _{2.5} Filter Weighing for the PM _{2.5} Performance Evaluation Program and Tribal Air Monitoring Support | | Various Years | http://www.epa.gov/ttn/amtic/pmpep.html |
| Methods | | | | |
| CSN NATTS NCore | Speciation Field Guidance Documents Air Toxics Methods- Various Methods Calibration of Meterological Measurement -Videos | | Various Years 2007 2008 | http://www.epa.gov/ttn/amtic/specquid.html http://www.epa.gov/ttn/amtic/airtox.html http://www.epa.gov/ttn/amtic/met.html |
| SLAMS | QA Handbook Vol II (DRAFT Procedure for the "Determination of Ozone By Ultraviolet Analysis") | | 1998 | http://www.epa.gov/ttn/amtic/files/ambient/qaqc/ozone4.pdf |
| SLAMS | Sec. 2.10 of QA Handbook - Draft - PM10- Dichot revised to local standard and pressure | EPA-600/4-77-027a | 1997 | http://www.epa.gov/ttn/amtic/files/ambient/qaqc/2-10meth.pdf |
| SLAMS | Sec. 2.11 of QA Handbook - Draft - PM10 Hi Vol revised to local standard and pressure | | 1997 | http://www.epa.gov/ttn/amtic/files/ambient/qaqc/2-11meth.pdf |
| SLAMS | Section 2.3 -- DRAFT - Reference Method for the Determination of Nitrogen Dioxide in the Atmosphere (Chemiluminescence) | | 2002 | http://www.epa.gov/ttn/amtic/files/ambient/pm25/ga/no2.pdf |
| SLAMS-NPAP | DRAFT SOP for Through-the-Probe Performance Evaluations of Ambient Air Quality Monitoring of Criteria Air Pollutants | | 2007 | http://www.epa.gov/ttn/amtic/files/ambient/npapsop/npaptpopsop.pdf |
| SLAMS-NPAP | Quality Assurance Project Plan for the Audit Support Program - NPAP and NATTS | | 2006 | http://www.epa.gov/ttn/amtic/files/ambient/qaqc/NPAPQAPPPrvsn071007onforTTP.pdf |

Quality Assurance Information

| Identifier | Title | EPA Number | Pub Date Year | URL |
|---------------------------------------|--|------------------|---------------|---|
| SLAMS-PEP | Method Compendium "Field Standard Operating Procedures for the PM _{2.5} Performance Evaluation Program" | | 2006 | http://www.epa.gov/ttn/amtic/files/ambient/pm25/qa/pepfield.pdf |
| SLAMS-PEP | Method Compendium "PM _{2.5} Mass Weighing Laboratory Standard Operating Procedures for the Performance Evaluation Program | | 1998 | http://www.epa.gov/ttn/amtic/files/ambient/pm25/qa/peplsop.pdf |
| SLAMS-PM2.5 | 2.12 "Monitoring PM _{2.5} in Ambient Air Using Designated Reference or Class I Equivalent Methods" | | 1998 | http://www.epa.gov/ttn/amtic/files/ambient/pm25/qa/m212covd.pdf |
| IMPLEMENTATION PLANS and QAPPs | | | | |
| CSN | Speciation Laboratory Standard Operating Procedures | | Various Years | http://www.epa.gov/ttn/amtic/specsop.html |
| CSN | Quality Management Plan for the PM _{2.5} Speciation Trends Network | EPA-454/R-01-009 | 2001 | http://www.epa.gov/ttn/amtic/files/ambient/pm25/spec/finlqmp.pdf |
| CSN | "Speciation Trends Network Quality Assurance Project Plan" | EPA-454/R-01-001 | 2001 | http://www.epa.gov/ttn/amtic/files/ambient/pm25/spec/1025sqap.pdf |
| NATTS | Model Quality Assurance Project Plan for the National Air Toxics Trends Stations - updated version 1.1 | | 2007 | http://www.epa.gov/ttn/amtic/files/ambient/airtox/NATTS_Model_QA_PP.pdf |
| NATTS | Model QAPP for Local-Scale Monitoring Projects" | EPA-454/R-01-007 | 2006 | http://www.epa.gov/ttn/amtic/files/ambient/airtox/pilotqapp.pdf |
| NATTS | National Air Toxics Trends Stations - Quality Management Plan Final | | 2005 | http://www.epa.gov/ttn/amtic/files/ambient/airtox/nattsqmp.pdf |
| PAMS | PAMS Implementation Manual | EPA-454/B-93-051 | 1994 | http://www.epa.gov/ttn/amtic/files/ambient/pams/b93-051a.pdf |
| SLAMS | Quality Assurance Project Plan for the Audit Support Program - NPAP and NATTS | | 2008 | http://www.epa.gov/ttn/amtic/files/ambient/qaqc/NPAPQAPPPrvsn071007onforTTP.pdf |
| SLAMS PM2.5 | PM _{2.5} Model QA Project Plan (QAPP)" | EPA-454/R-98-005 | 1998 | http://www.epa.gov/ttn/amtic/files/ambient/pm25/qa/totdoc.pdf |
| SLAMS PM2.5 | PM2.5 FRM Network Federal Performance Evaluation Program Quality Assurance Project Plan (QAPP) | | 2007 | http://www.epa.gov/ttn/amtic/files/ambient/pm25/qa/pepgapp_DRAFT_12-2007_cmt_vrsn.pdf |
| SLAMS PM2.5 | PM _{2.5} Performance Evaluation Program Implementaion Plan | | 1998 | http://www.epa.gov/ttn/amtic/files/ambient/pm25/qa/pep-ip.pdf |
| WHITE PAPERS/IMPORTANT MEMOS | | | | |
| CSN | Current List of CSN Sites as of 07-11-2007 | | 2007 | http://www.epa.gov/ttn/amtic/specgen.html |
| CSN | Modification of Carbon Procedures in the Speciation Network; | | 2006 | http://www.epa.gov/ttn/amtic/files/ambient/pm25/spec/fagcarbon.pdf |
| SLAMS | Overview and Frequently Asked Questions | | Various Years | http://www.epa.gov/ttn/amtic/qamsmtg.html |
| SLAMS | QA National Meeting Presentations | | Various Years | http://www.epa.gov/ttn/amtic/qanews.html |
| SLAMS | QA Newsletters | | Various Years | http://www.epa.gov/ttn/amtic/qanews.html |