

**Agenda for PM_{2.5} Monitoring, Quality Assurance, & Data Analysis Workshop
May 22-25, 2000
Embassy Suites Conference Center, 201 Harrison Oaks Boulevard, Cary, NC**

| Schedule | <u>Monday, May 22, 2000</u> | |
|-----------------------|---|---|
| | <i>Tanglewood, Blowing Rock & Pinehurst</i> | <i>Chimney Rock</i> |
| 7:30 a.m.-8:30 a.m. | Registration (<i>Lobby Outside Meeting Rooms</i>) | |
| 8:30 a.m. -10:00 a.m. | <p align="center">General Session</p> <p>-Welcome J. David Mobley, Director of the Emissions, Monitoring & Analysis Division, OAQPS, U.S.EPA -PM NAAQS & 1999 Circuit Court Case Implications John Bachmann, Associate Director, Science/Policy, & New Programs Office of Air Quality Planning & Standards, U.S. EPA -Workshop Overview Richard Scheffe, Leader, Monitoring & Quality Assurance Group, U.S.EPA</p> | |
| 10:00 a.m.-10:30 a.m. | BREAK - <i>Chimney Rock</i> | |
| 10:30 a.m.- Noon | <p align="center"><i>Blowing Rock</i></p> <p>PM_{2.5} Mass - Monitoring - Lee Byrd -Introduction & Progress Report (Byrd) -PM_{2.5} Monitoring in GA - Deployment, Monitoring, & Results (Redmond) -FRM Filter Recovery Extension Study (Hanley/Watkins)</p> | <p align="center"><i>Pinehurst/Tanglewood</i></p> <p>PM_{2.5} Mass - QA -M.Papp - Introduction & Progress Report - 30 min - Quality System Review (Panel Discussion)</p> |
| Noon - 1:30 p.m. | LUNCH - <i>On your own.</i> | |
| 1:30 p.m.-3:00 p.m. | <p align="center"><i>Blowing Rock</i></p> <p>PM_{2.5} Mass - Monitoring -Lee Byrd -Results from Investigation of Crystallized WINS Impactor Oil (Leston, Labickas) -Panel Session on Sampler Deployment & Operational Issues</p> | <p align="center"><i>Pinehurst/Tanglewood - PM_{2.5} Mass - QA</i></p> <p>Lab Implementation & QA - PM_{2.5} Mass Analysis Lab Pre-certification & Systems Audit Programs (Miguel) - PM_{2.5} Sampling in GA-The Lab Perspective (Bussey) - QA & Method Development of the CT PM_{2.5} Monitoring Program (Leston) - Evaluation of PM_{2.5} Filter Weighing-Autohandler Approach (Smith) - Automated filter weighing systems at WI State lab of Hygiene (Strauss)</p> |
| 3:00 p.m.- 3:30 p.m. | BREAK - <i>Chimney Rock</i> | |
| 3:30 p.m. - 5:00 p.m. | <p align="center"><i>Blowing Rock</i></p> <p>PM_{2.5} Mass - Monitoring -Lee Byrd -New York PM_{2.5} Data Management System (Sierzenga) -Performance of a New Dichotomous Sequential Air Sampler (Tamanini et. al.) -Wrap-Up</p> | <p align="center"><i>Pinehurst/Tanglewood - PM_{2.5} Mass - QA</i></p> <p>Assessments -CA's PM_{2.5} Performance Audit Program (Miguel) -Performance Evaluation Program (PEP) Field Activities -Papp PEP Lab Implementation & Quality Control -R4, R10 PEP Data Management - Hanley PEP data quality assessment - Eberly/RTI</p> |
| 5:00 p.m. | ADJOURN | |

**Agenda for PM_{2.5} Monitoring, Quality Assurance, & Data Analysis Workshop, Cont.
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| Schedule | <u>Tuesday, May 23, 2000</u> | | | |
|------------------------|--|---|---|---------------------|
| | <i>Pinehurst</i> | <i>Blowing Rock</i> | <i>Tanglewood</i> | <i>Chimney Rock</i> |
| 7:30 a.m.-8:30 a.m. | Registration (<i>Lobby Outside Meeting Rooms</i>) | | | |
| 8:00 a.m. - 10:00 a.m. | <p align="center">Continuous PM_{2.5} (Monitoring & QA Issues - Tim Hanley)</p> <ul style="list-style-type: none"> -Program Overview & Implementation (Hanley) -Air Quality Index (AQI) (Wayland) -Continuous PM monitors using light scatter & beta attenuation (Merrifield) -Continuous Ambient Mass Monitoring System (CAMMS) for PM_{2.5} Mass (Schlösser) | <p align="center">PM_{2.5} Speciation (Monitoring & QA Issues - Jim Homolya)</p> <ul style="list-style-type: none"> -Program Overview & Implementation (Homolya) -Laboratory Services, Data Validation, & Reporting (Jayanty) -Comparison of PM_{2.5} Speciation by ICP-MS with XRF (Ronsse) -Semi-Continuous Measurement of Gas & Particle Phase Ions in Ambient Air (Bowser) -Sequential Sampling Using the Andersen RAAS2.5-400 Speciation Sampler (Davis, Bowser) | <p align="center">PM_{2.5} Mass - QA (continued from Monday)</p> <p align="center">Data Validation & Data Quality Assessments</p> <ul style="list-style-type: none"> -Data Validation Template - (Panel Discussion) - Data Validation/QA in Delaware (Frey) - Mass DQA - Eberly | Vendor Exhibitions |
| 10:00 a.m.-10:30 a.m. | <i>BREAK - Chimney Rock</i> | | | |
| 10:30 a.m.- Noon | <p align="center">Continuous PM_{2.5} (continued)</p> <ul style="list-style-type: none"> -Continuous monitors for the determination of ambient fine particle mass & chemical components (Meyer) -Eric Edgerton (ARA) -Panel Session | <p align="center">PM_{2.5} Speciation (continued)</p> <ul style="list-style-type: none"> -East vs. West in the US: Chemical Characteristics of PM_{2.5} During the Winter of 1999, (Tolocka) -Data Analysis Activities (Eberly) -Panel Session | <p align="center">PM_{2.5} Mass Monitoring (continued from Monday)</p> | Vendor Exhibitions |
| Noon - 1:30 p.m. | <i>LUNCH - On your own.</i> | | | |
| 1:30 p.m.-3:00 p.m. | <p align="center">Cross-Cutting Issues - Shelly Eberly</p> <p>Panel Discussion on:</p> <ul style="list-style-type: none"> S Flagging of PM_{2.5} data & the inclusion of flagged data in AIRS-AQS. S What kind of PM_{2.5} data is currently in AIRS-AQS, what will be going into AIRS-AQS, issues with summary reports being generated by AIRS-AQS. S Archival of PM_{2.5} FRM filters. | | | Vendor Exhibitions |
| 3:00 p.m.-3:30 p.m. | <i>BREAK - Chimney Rock</i> | | | |
| 3:30 p.m.-5:00 p.m. | <p align="center">Wrap Up & Action Items - Richard Scheffe</p> <ul style="list-style-type: none"> -Speciated PM_{2.5} Data Needs for Modeling, Brian Timin, U.S.EPA, Air Quality Modeling Group -Report from each session (Continuous, speciation, quality assurance, mass) -Q&A from workshop participants. -Closing Remarks, J. David Mobley, Director of Emissions, Monitoring & Analysis Division, U.S. EPA | | | Vendor Exhibitions |
| 5:00 p.m. | <i>ADJOURN</i> | | | |

Agenda for PM_{2.5} Monitoring, Quality Assurance, & Data Analysis Workshop, Cont.
May 22-25, 2000
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| Time Interval | <u>Wednesday, May 24, 2000</u> | | | | | | |
|-----------------------|---|---|---|---|-------------------------------------|--------------------------------|------------------------------------|
| | <i>Cameron</i> | <i>Blowing Rock</i> | <i>Smith</i> | <i>Mendenhall, Bellamy & Hope</i> | <i>Chimney Rock</i> | <i>Tanglewood</i> | <i>Biltmore</i> |
| 7:30 a.m.-8:30 a.m. | Registration (<i>Lobby Outside Meeting Rooms</i>) | | | | | | |
| 8:00 a.m. -10:00 a.m. | Chemical Speciation Training | Data Analysis Session | Data Software Demonstration (1 st demo) | PEP Field Training | Vendor Exhibition | R&P Vendor Training & Q&A | (Reserved - no scheduled sessions) |
| 10-10:30 a.m. | <i>BREAK - Chimney Rock</i> | | | | | | |
| 10:30 a.m.-Noon | Chemical Speciation Training (continued) | Data Analysis Session (continued) | Data Software Demonstration (1 st demo continued) | PEP Field Training (continued) | Vendor Exhibition | R&P Vendor Training & Q&A | (Reserved - no scheduled sessions) |
| Noon - 1:30 p.m. | <i>LUNCH - On your own.</i> | | | | | | |
| 1:30 p.m.-3:00 p.m. | Chemical Speciation Training (continued) | Data Analysis Session (continued) | Data Software Demonstration (2 nd demo) | PEP Field Training (continued) | Vendor Exhibition | Andersen Vendor Training & Q&A | BGI Vendor Training & Q&A |
| 3-3:30 p.m. | <i>BREAK - Chimney Rock</i> | | | | | | |
| 3:30 p.m. -5:00 p.m. | Chemical Speciation Training (continued) | Data Analysis Session (continued) | Data Software Demonstration (2 nd demo continued) | PEP Field Training (continued) | Vendors remove Exhibition equipment | Andersen Vendor Training & Q&A | BGI Vendor Training & Q&A |
| 5:00 p.m. | <i>ADJOURN</i> | | | | | | |

Agenda for PM_{2.5} Monitoring, Quality Assurance, & Data Analysis Workshop, Cont.
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| Time Interval | <u>Thursday, May 25, 2000</u> | | |
|-------------------------|---|--|---|
| | <i>Pinehurst</i> | <i>Blowing Rock</i> | <i>Mendenhall & Bellamy</i> |
| 7:30 a.m.-8:00 a.m. | Registration (<i>Lobby Outside Meeting Rooms</i>) | | |
| 8:00 a.m. - 10:00 a.m. | Chemical Speciation Training (continued from Wednesday) | Data Analysis Session (continued from Wednesday) | PEP Field Training (continued from Wednesday) |
| 10:00 a.m. - 10:30 a.m. | <i>BREAK</i> | | |
| 10:30 a.m. - Noon | Chemical Speciation Training (continued from Wednesday) | Data Analysis Session (continued from Wednesday) | PEP Field Training (continued from Wednesday) |
| Noon - 1:30 p.m. | <i>ADJOURN FOR ALL SESSIONS EXCEPT PEP FIELD TRAINING</i> | | |
| 1:30 p.m. - 3:00 p.m. | (No sessions) | (No sessions) | PEP Field Training (continued from Wednesday) |
| 3:00 p.m. - 3:30 p.m. | | | |
| 3:30 p.m. - 5:00 p.m. | (No sessions) | (No sessions) | PEP Field Training (continued from Wednesday) |
| 5:00 p.m. | <i>ADJOURN</i> | | |