

**SAMWG Spring Meeting Notes  
Chicago, Illinois, April 20 - 21, 2001**

**Friday, April 20** - The joint SAEWG/SAMWG/SASWG session was held until lunch on Friday. Topics that were briefly discussed are below. For those with direct air monitoring implications, we've included a few notes.

1. **EPA's budget and Grant Allocations-** Jerry Kurtzweg, from EPA's Office of Air and Radiation, presented information on the FY-02 budget estimates. We expect that the FY-02 budget will be in line with what was received in FY-00, with the earmarks removed.
  
2. **Settlement on Short-term SO<sub>2</sub> Monitoring-** Dennis Beauregard provided an overview of the litigation associated with EPA's 1996 SO<sub>2</sub> NAAQS review that continues to today. At present, EPA is negotiating with the American Lung Association (ALA), the Clean Air Task Force, and an attorney for local citizens groups on the next steps for dealing with high short-term SO<sub>2</sub> concentrations. The ALA and other litigants are concerned that EPA's lack of action on establishing a short-term SO<sub>2</sub> NAAQS will result in not addressing problems experienced by individuals near plants that have high short-term SO<sub>2</sub> emissions. The STAPPA/ALAPCO Monitoring Committee did comment on a draft pilot monitoring study proposal for making short-term SO<sub>2</sub> measurements near select sources (short-term is defined as 5-minute measurements). States did express concern about EPA's direction for this program, specifically on the decision to use ambient air data collection rather than continuous emission measurements. They also commented that if an ambient air monitoring approach were taken, then the targeted sources should be those with continuous emission measurement systems that would supplement the data collection. Needless to say, there is considerable work to be done in this area.
  
3. **Administration Transition-** David Mobley did remind the group that EPA does now have a nominee for the Assistant Administrator for the Office of Air and Radiation. This nominee is Jeff Holmstead. He is currently working with OAR as a consultant, which is common practice in some administrations, until his confirmation is complete.
  
4. Data Analysis
  - EMAD PM<sub>2.5</sub> Preliminary Analysis
  - LADCO Visibility Analyses
  - EPA Region 5 Analysis Activities
  - Trends Report

Baldrige  
Koerber  
Rothblatt  
Elkins

**SAMWG Session - Friday, April 20**

The SAMWG discussions focused on two themes: Revamping QA and continuous particulate

matter monitoring. All presentations will be made available on the AMTIC web site under “SAMWG” (<http://www.epa.gov/ttn/amtic>)

**Quality Assurance Topics:**

Papp

Andersen/R&P intercomparisons	Illinois/Cook Co.
PM <sub>2.5</sub> Quality Assurance Report for 2000	Papp
Restructuring the Nat’l Performance Audit Program	Papp
QA Strategy	Papp

QA: Mike Papp presented a proposal to gradually replace the current National Pollutant Audit Program (NPAP) with a mobile through-the-probe audit approach. This through-the-probe audit program would be combined with the existing Performance Evaluation Program and existing State/local through-the-probe audit programs. Mike’s proposal indicated that this approach would make more use out of the resources currently funded through the PM<sub>2.5</sub> PEP program, and provide a national auditing system for all criteria pollutants. The proposal includes using the existing audit capabilities provided by State and local agencies and supplementing these efforts with regionally-based capabilities. The proposal was well received and SAMWG endorsed proceeding on a pilot basis. OAQPS must resolve an issue of potentially combining NPAP S&T funds with PEP §103 grant funds and transferring all into grant funds. This will again be raised as a future discussion topic following more research into resource estimates and mechanisms within OAQPS.

Mike Papp also requested participation for a quality assurance work group that will help with the QA program reinvention and regulatory review.

**Monitoring Topics:**

**AIRS update** - Jake Summers updated the group on the re-engineered AIRS AQS, which is currently starting its beta testing phase. Jake encourages all State and local agencies that use AIRS to please begin beta testing the new system. It will be important both now and later as we transition into the re-engineered AIRS for routine use.

**Speciation update** - Lee Byrd’s presentation is attached. Questions about the comparability between the IMPROVE protocol and trends speciation sites came up during the discussion. EPA has developed a field comparison evaluation program, to begin late Spring, that included 6 sites originally. This has increased to 9 with the addition of a rural Oklahoma site, one site in Kansas, and one site in Missouri. Each site will have both IMPROVE and speciation samplers. Data will be used to evaluate the two approaches.

**Network assessment activity & NMSC**

Scheffe/Koerber/Reg. 5



(<http://www.epa.gov/ttn/amtic>).

State and local presentations emphasized the data enhancement aspects of the continuous monitoring approaches in addition to any burden reduction benefits.

**Terry Sweitzer**...Illinois...good correlations BAM vs. FRM

**Mike Gilroy**...Puget Sound area...strong regressions across TEOMs, nephelometers, FRM's...applying Eberly guidance....importance of seasonal adjustments...linked with Air Quality Index (AQI) and public reporting ( $R^2$  with 1/3 or 6?)

**Charlie Pietarinen**...TEOMs (50%)...7-.91  $R^2$ .....direct use with Air Quality Index (AQI) reporting....spatial gaps...don't forget sampling protocols..

**K. Stroud**...Met-One BAM...with a flow rate of 16.7 liters/minute and sharp-cut cyclone inlet....high correlations...

**L. Alter** TEOM vs FRM in Connecticut...good correlations...CAMM vs FRM....BAM in Connecticut...mix of tech....~50 continuous monitors are operating in the NESCAUM area.

**Jane Watson/Steve Spaw/Kent Stafford**....31 to 50 continuous monitors operating in the Region 6 area.. These include TEOMs, BAMs. Texas operates 37 TEOMs and are reporting generally good correlations. TEOMs (and BAMs) are reading high relative to the FRM during periods of high wind speeds.

**Harry St. Clair**...Their very preliminary TEOM vs FRM (heated) data are showing good agreement in Cincinnati. Fascinating N/S W/S speciation data

**Tim Hanley..RTP**...TEOM...good agreements...30C..

We will continue to pursue a regional approach toward adopting equivalent methods as well as CAC/network approaches provided for in the existing regulation.

### **Action Items:**

Please send copies of each of the presentations send to Rich. We will make these available on AMTIC (<http://www.epa.gov/ttn/amtic>).

We will provide SAMWG and STAPPA/ALAPCO with a written request for State and local agency representatives for our 3 workgroups, quality assurance reinvention, regulatory review, and continuous PM monitoring.