Please address the following suggested topics in your update:

- **Ozone season updates – exceedances, issues, monitor updates (location changes and additions), other activities**

  In 2010, there were nineteen (19) days of Ozone exceedances at the Phila Northeast Airport (NEA) site. A second collocated ozone monitor was run at NEA from February to November 2010. Both instruments reported exceedances over the 0.075-ppm, 8-hr standard.

- **PM$_{2.5}$ season updates – exceedances, issues, monitor updates (location changes and additions), other activities**

  - On 12/30/2010, PM$_{2.5}$ (FRM & FEM) concentrations for all Philadelphia sites exceeded the 24-hr NAAQS (35μg/m$^3$) standard.
  
  - As part of the 2010/2011 AMS Network Plan:
    - The continuous PM$_{2.5}$ monitor at the LAB site was established as the primary designated monitor. A collocated PM$_{2.5}$ FRM runs on a 1 in 6 day schedule.
    - AMS is in the process of deploying PM$_{2.5}$ FEMs as replacements for FRMs by running them alongside existing FRMs as collocated units.
    - PM$_{2.5}$ FRM and continuous FEM sampling at the NEA site was discontinued in 4th quarter 2010.
    - 1st quarter 2011, FRMs PM$_{2.5}$, PM$_{10-2.5}$, and FEM PM$_{2.5}$ became operational at Philadelphia Baxter NCore site.
    - In calendar year 2011, a PM$_{2.5}$ FRM will run at new Port site as part of the SLAMS network.

- **Speciation monitoring – plans, activities, issues, monitoring updates (location changes and additions), other activities**

  In 1st quarter 2011, AMS began operating three (3) Speciation sites. The additional speciation monitors (Met One SASS and URG 3000N) are located at the new NCore site.

- **NCore Level 2 Sites – If you are establishing an NCore Level 2 site, provide status and information on the site.**

  1st quarter 2011, the NCore at Baxter Water Treatment plant became fully operational. Pollutants measured: trace level (CO, NO$_x$, NO$_y$, SO$_2$), O$_3$, PM$_{2.5}$ continuous, PM$_{10-2.5}$-FRM, PM$_{2.5}$-FRM, PM$_{10}$, Speciated PM$_{2.5}$, and meteorological data.
Issues:
- Experiencing ongoing problems with wireless data transmission.
- Experienced programming difficulties with trace level calibration and audit equipment interfacing with new data acquisition system.

- **Toxics monitoring – issues, monitoring updates (locations changes and additions), other activities**

  - In 2011, the River Port monitoring site (PAC) will be established on Pier 53 by the Delaware River Waterfront Corporation (DRWC). The site will monitor PM$_{2.5}$-FRM, toxics, TO-11 carbonyls, and TO-15 metals.
    - Toxics and metals will no longer be monitored at Roxborough and be relocated PAC.
    - The Roxborough site will be temporarily shut down.

  - Toxics monitoring for carbonyls continues at five sites in Philadelphia on a 6th day, 24 hour sampling basis.

  - Laboratory services for carbonyl analysis for ten sites in USEPA Region III continue for this period.

  - Laboratory services for carbonyl analysis are also provided for the NATTS site in Washington, DC.

- **Air Toxics Grants - If you received an Air Toxics Grant, please provide an overview and status of your project.**

  - For the NATTS trends sites Air Management Services performs analysis for the District of Columbia and will continue to do so in the upcoming year.

  - The 2010 NATTS carbonyl data was presented to the stakeholders on March 22, 2011. Third quarter 2010 Carbonyl data for the (10) supported Toxics sites was sent to the stakeholders on March 31, 2011. The remainder of the 2010 data will be forthcoming by the end of April 2011.

  - AMS laboratory continues to operate five (5) TSP-metals Toxics sites. The analysis is performed by West Virginia’s laboratory.

- **Network design issues and any comments received on Annual Networks Plans**

  - Question: How is the region planning implement NO$_2$ roadside monitoring?

- **Annual monitoring reports – what’s the latest year you’ve published? How is your agency’s information disseminated to the public (web, paper, sky writing, etc.)?**

Monitoring labs – updates on challenges and accomplishments

Accomplishments:
- Achieved better than 99% ozone data capture at Northeast Airport (NEA) air monitoring site to obtain maximum data completeness.
- Maintained all network air monitors (over 50) within calibration and in good operating order to achieve required 75% or better data capture at all (11) network sites.
- Completed set up of new Baxter NCore air monitoring site and begun air monitoring.
- Established cell modem communication and data transmission at Baxter site and demonstrated feasibility of using cell modem data transmission as replacement for current ISDN system.
- Established a location for the new Air Toxics monitoring site at Pier 53 Park.
- Filled a vacant Graduate Engineer and Science Tech position.
- Fulfilled commitments as the EPA Region III carbonyl analysis support lab performing over 90,956 analyses.

Challenges:
- Completing setup of new air monitoring site at Pier 53 Park.
- Establishing full (wireless) two-way communication with air monitors at Baxter site and attain full remote control of instrument functions.

Staffing levels – updates and issues. Attach latest organizational charts

See attachment

Other information you would like to share with the Committee about the status and activities of your program.

AMS Lab is preparing to conduct system blanks and ozone denuder replacement for its 5-site network and other sites upon request. Carbonyl PAMS monitoring will start up in June for the laboratory, Baltimore and Washington, DC sites. The laboratory hopes to participate in the NATTS carbonyl audit if funding continues for the samples.

Previously, AMS Lab analyzed TSP-Pb filters using Atomic Absorbance (AA), Method: EQL-0380-043. However, with the revision of the primary standard from 1.5µg/m³ to 0.15µg/m³ the AA’s sensitivity was unable to detect at the lower limit. Beginning 1st quarter 2011, TSP-Pb filter analysis for the two AMS lead sites (NCore and ITO) are now analyzed by Inter-Mountain Labs (IML) using ICP-MS.

Training Project- MARAMA is working with NACAA Training Committee to develop a Professional Development & Training Guide for the states and local agencies use. We are interested in any job descriptions for your staff that may indicate the knowledge, skills or abilities needed or the type of training they require in order to do their job.