A large, faint watermark of the EPA logo is centered in the background. It features a stylized flower with three leaves and a sun-like top, surrounded by the text "UNITED STATES ENVIRONMENTAL PROTECTION AGENCY".

Everything NATTS

David Shelow

EPA/OAQPS/AQAD

Ambient Air Monitoring Group



NATTS Team Updates

- New NATTS Team at OAQPS
 - Greg Noah – QA
 - Laurie Trinca – Funding/CSATAM
 - Data Analysis
 - Dennis Doll
 - Madeline Strum
 - Dave Shelow – Program Manager

National Ambient Air Monitoring Conference August 2014

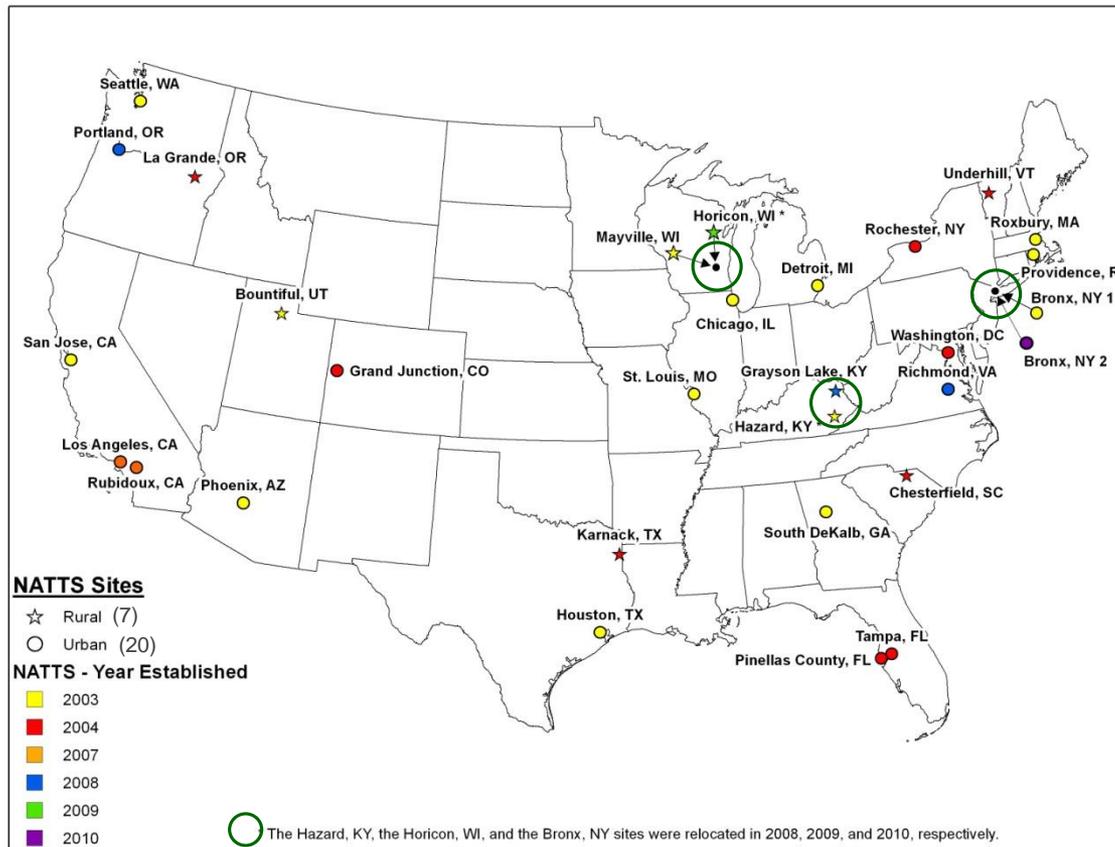


Everything NATTS Schedule today

- NATTS Program Updates
- NATTS QA
- NATTS Data Validation Template
- Next NATTS Network Assessment
- NATTS Data Analysis



NATTS Sites & Years Established





Minimum Required NATTS Analytes

<u>VOCs</u>	<u>Carbonyls</u>	<u>PM₁₀ Metals</u>
Acrolein	Formaldehyde	Nickel compounds
Benzene	Acetaldehyde	Arsenic compounds
Chloroform		Cadmium compounds
1,3-butadiene	<u>PAHs</u>	Manganese compounds
Vinyl Chloride	<i>Benzo(a)pyrene</i>	Beryllium compounds
Perchloroethylene	<i>Naphthalene</i>	Lead compounds
Carbon Tetrachloride		
Trichloroethylene		
	<i>TSP Hexavalent Chromium*</i>	

* No longer required Core HAP



NATTS Assessment

- 1st NATTS Assessment (2003-2010) completed
 - Drop Cr+6 as required pollutant (still funded)
 - Increase funding for equipment \$25K/site (one time)
 - Re-evaluate DQO's
 - Incorrect data in AQS needed corrected
 - Increased PT frequency
 - Link ambient data with health benchmarks
 - Site specific reports created & reviewed with each site & corresponding lab
 - Feedback from calls – training
- 2nd NATTS Assessment (2003-2013) started



NATTS Program updates

- From assessment, created a near term vision:
- Increase the quality of the data
- Consistency with all sites and labs within the network
- Find method issues and solve
- Improve communication and discussions



Increase the Quality of the data

- Proficiency Test (PT) program
 - Contract modifications
 - » 3 referee labs
 - » Concentrations lowered
 - » Data comparison changes
- TSA audits for field sites and labs
 - Experience field and labs personnel doing audits
- Data validation templates





“Consistency Across all labs”

- Updating the NATTS Technical Assistance Document (TAD)
 - More prescriptive
 - Data reporting



Improve Communications

- After each quarterly PT results
- After next TAD revision
- After 2nd assessment
- Debriefs for TSA audits



Air Toxics Methods Issues

- Ongoing research – Acrolein
 - ORD will provide guidance
- Carbonyls
 - Work group
 - Optimization of TO-11A
 - Feasibility of Real time measurements
- Next pollutant – Naphthalene





Community Scale Grants

- RFP in FY 2014
 - Community monitoring
 - Sectors
 - NGAM - sensors
 - Air Toxics at near road
 - Methods evaluations
 - Data analysis
- Funding 2015





In Summary....

- Changes to PT program & TSA
- Get Data in AQS – next network assessment
- TAD rewrite in progress
- Methods issues trying to get resolved
- CSATAM grants coming