



# **NATTS Program Updates**

David Shelow

EPA/OAQPS/AQAD

Ambient Air Monitoring Group

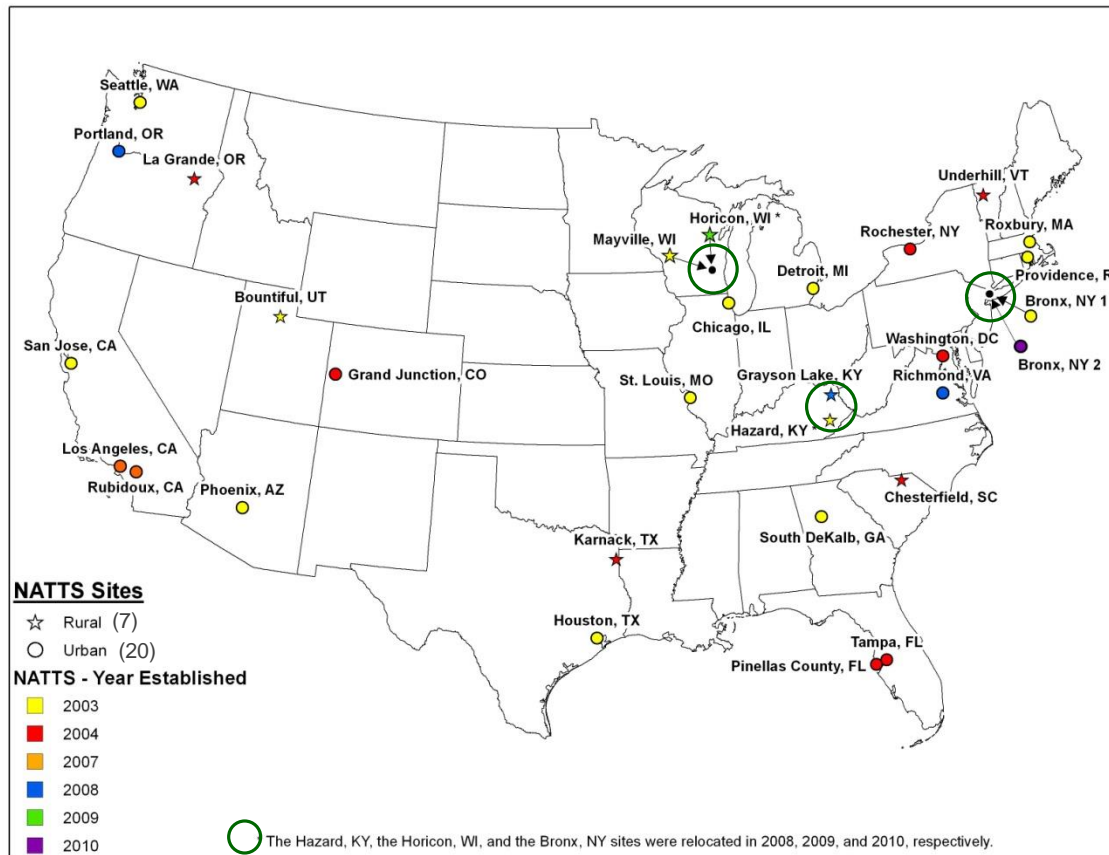


# NATTS Program

- What is it? Purpose – Trends Network
- Segment of Air Toxics
- “Gold Standard” – due to extensive QA criteria
- Tools
  - Workplan Template – lays out what is the funding requirements to participate
  - Technical Assistance Document (TAD) – technical guidance



# NATTS Sites & Years Established





# Minimum Required NATTS Analytes

<b><u>VOCs</u></b>	<b><u>Carbonyls</u></b>	<b><u>PM<sub>10</sub> Metals</u></b>
Acrolein	Formaldehyde	Nickel compounds
Benzene	Acetaldehyde	Arsenic compounds
Chloroform		Cadmium compounds
1,3-butadiene	<b><u>PAHs</u></b>	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 Team Updates

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

National Air Toxics Workshop October 2015



## NATTS Program updates

- From 2010 assessment, created a near term vision:

### Goals

1. Increase the quality of the data
2. Consistency with all sites and labs within the network
3. Improve communication and discussions
4. Find method issues and solve
5. Can we increase funding for air toxics
6. More data analysis is needed



# 1. Increase the Quality of the data

- Critical part of NATTS Program - PT
- Proficiency Test (PT) program
  - Contract modifications
    - »3 referee labs
    - »Concentrations lowered
    - »Data comparison changes
    - »Shipping before referee lab results
- Collecting survey data
- Post results discussions





## 2. “Consistency Across all NATTS labs”

- TSA audits for field sites and labs
  - Had to assess what each lab is doing
  - Experience field and labs personnel doing audits
- Updating the NATTS Technical Assistance Document (TAD)
  - More prescriptive
  - Data reporting





## 3. Improve Communications

- After each quarterly PT results
- Debriefs for TSA audits
- 2015 Workshop
- After 2<sup>nd</sup> assessment



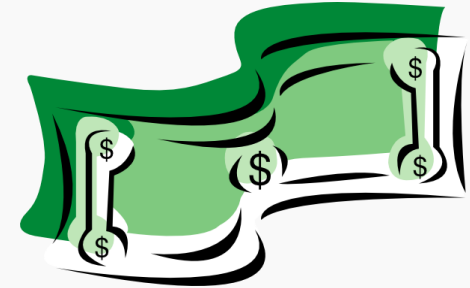
## 4. Air Toxics Methods Issues

- Ongoing research – Acrolein
  - ORD will provide guidance
- Carbonyls
  - Work group
  - Optimization of TO-11A
  - Feasibility of Real time measurements
- Working with ORD to update TO Methods





## 5. Funding for Air Toxics

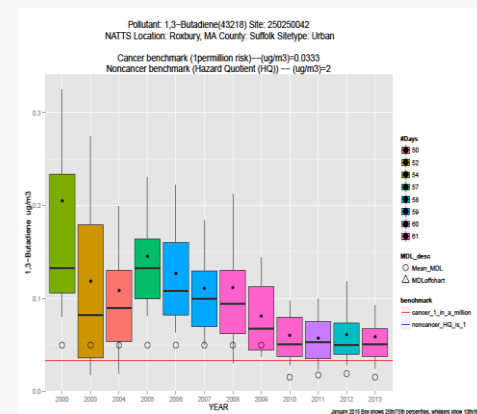


- Provided extra \$25K for equipment - NATTS
- CSATAM RFP in FY 2014 – Funded 2015
- 25 proposals - 11 selected
- \$5 million FY15/16 monies
- Planning for another RFP in CY2016



## 6. More Data Analysis

- Trends
  - by pollutant
  - by site
- Different statistical techniques
- Developing unified criteria to be used for trends analysis





## In Summary....

- Made many changes to NATTS PT program & TSA
- TAD draft is out for review
- Methods issues trying to get resolved
- CSATAM grants funded
- Next network assessment is in progress