PAMS—A Midwest Perspective

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Ozone Design Value Trends

Design value plotted by end year of 3-year period
Design Value Trends, LADCO States

Design value plotted by end year of 3-year period.
Ozone Design Values: 8-Hour

2001-2003

2009-2011

DV, in ppb

- 85+
- 81-84
- 76-80
- 71-75
- 66-70
- < 66
Issue Number 1

• New areas of ozone nonattainment need PAMS-like monitoring to understand their ozone exceedances and plan appropriately to meet the 75 ppb standard

• Original PAMS areas have made great progress, but need to keep PAMS in some form to track continued progress, maintain continuity in trends, and probably to meet a tighter new standard (65 ppb?)

• Ozone nonattainment is more regional and less local than in earlier years; PAMS boundaries need to be rethought accordingly
Change in Extent of Reaction at Harrington Beach/Manitowoc
1999-2007 (no >80 ppb days in 2008)

Strongly NOx limited, some indication of increasing NOx sensitivity over time

![Graph showing change in extent of reaction over time with various lines and markers representing different years from 1998 to 2007. The x-axis represents different years, and the y-axis represents the extent of reaction.]
Issue No. 2

- VOCs are hard – it takes a lot of time and effort to do it right, and aging equipment complicates data collection and quality.
- VOC and carbonyl speciation data are important and need to continue; there may be a place for continuous TNMOC measurements as well. A more regional approach to PAMS could incorporate both, as well as a more flexible, region-specific target compound list. EPA should strive for high-time resolution data as much as possible.
- To be successful, states need better equipment and better methods. EPA needs a long term commitment to both to ensure data quality.
Issue No. 3 – When will EPA act?

- December 2008 - Report sent to Workgroup
- February 2009 - Workgroup conference call
  - Should EPA finalize report? (Workgroup – yes)
  - FY2010 grant guidance (hold back 5% for equipment fund)
- May-Sept 2011 – CASAC review of PAMS
- Workgroup, CASAC in general agreement on PAMS – it’s time for some changes!