



Significance of the Monitoring Rule on Washington State

Donovan Rafferty
2006 National Air Monitoring
Conference
Las Vegas, Nevada
November 2006





Impact of the Monitoring Rule on Washington State

o Positive

- Reduction in CO and O₃ monitoring
- Quality Assurance Revisions

o Additional guidance needed

- New PM_{2.5} FRM Network and Approved Regional Methods







Quality Assurance Changes for Washington State

- Reduction in PM_{10} and $PM_{2.5}$ collocated samples
- Washington will participate in the PEP and NPAP audit programs
- Lower QC and audit concentration range
- Reduced number of $PM_{2.5}$ audits (2001-140 to 2007-12)





The Quality Assurance Checklist for Washington State

Quality Assurance Changes in the New Monitoring Rule		
1. Consolidation of QA requirements	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. Realignment to current EPA QA policies	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. Similar QC and QA for all PM samplers	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4. PEP and NPAP audits with options	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5. Revision to precision and bias statistics	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6. Program updates	<input checked="" type="checkbox"/>	<input type="checkbox"/>





Quality Assurance Strategy Workgroup

- Began in 2000 at Workshop in RTP
 - QA Validation Templates
- Input: New Monitoring Strategy and Revisions
 - QA, Technology and Regulatory workgroups
- Members continue to meet to review progress and set goals for the future
- QA Eye newsletter
- Participation is encouraged





The QA Strategy Workgroup Moving Forward

- Issues for QA Workgroup
 - Red Book Revisions
 - FRM vs. Continuous $PM_{2.5}$ and $PM_{10-2.5}$
 - Precursor gas work
- How to convey the message
 - QA is an integral part of monitoring
 - Every activity serves a purpose
 - QA activities are justified and not redundant
 - QA resources remain proportional to monitoring costs

