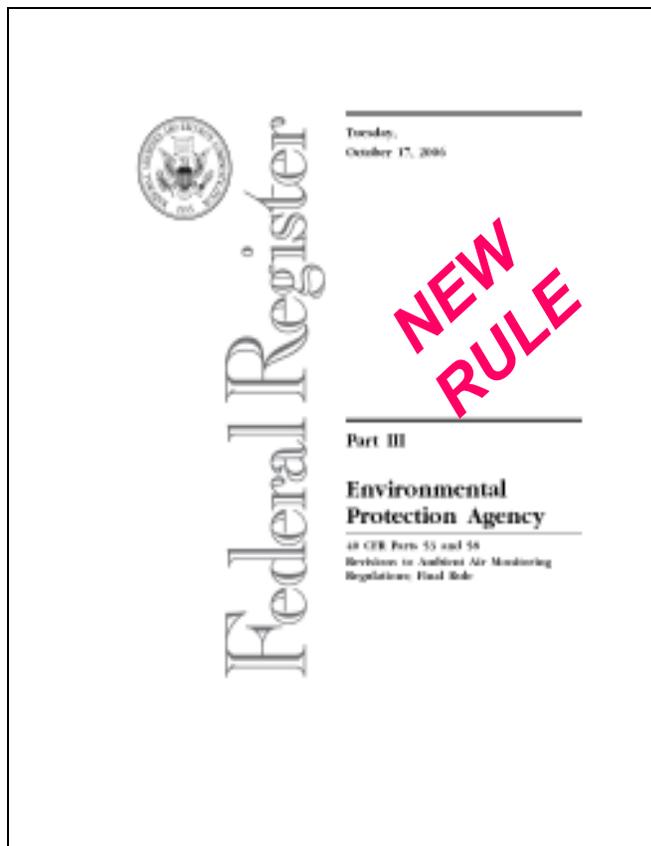


Overview of the National Monitoring Strategy and New Monitoring Rule

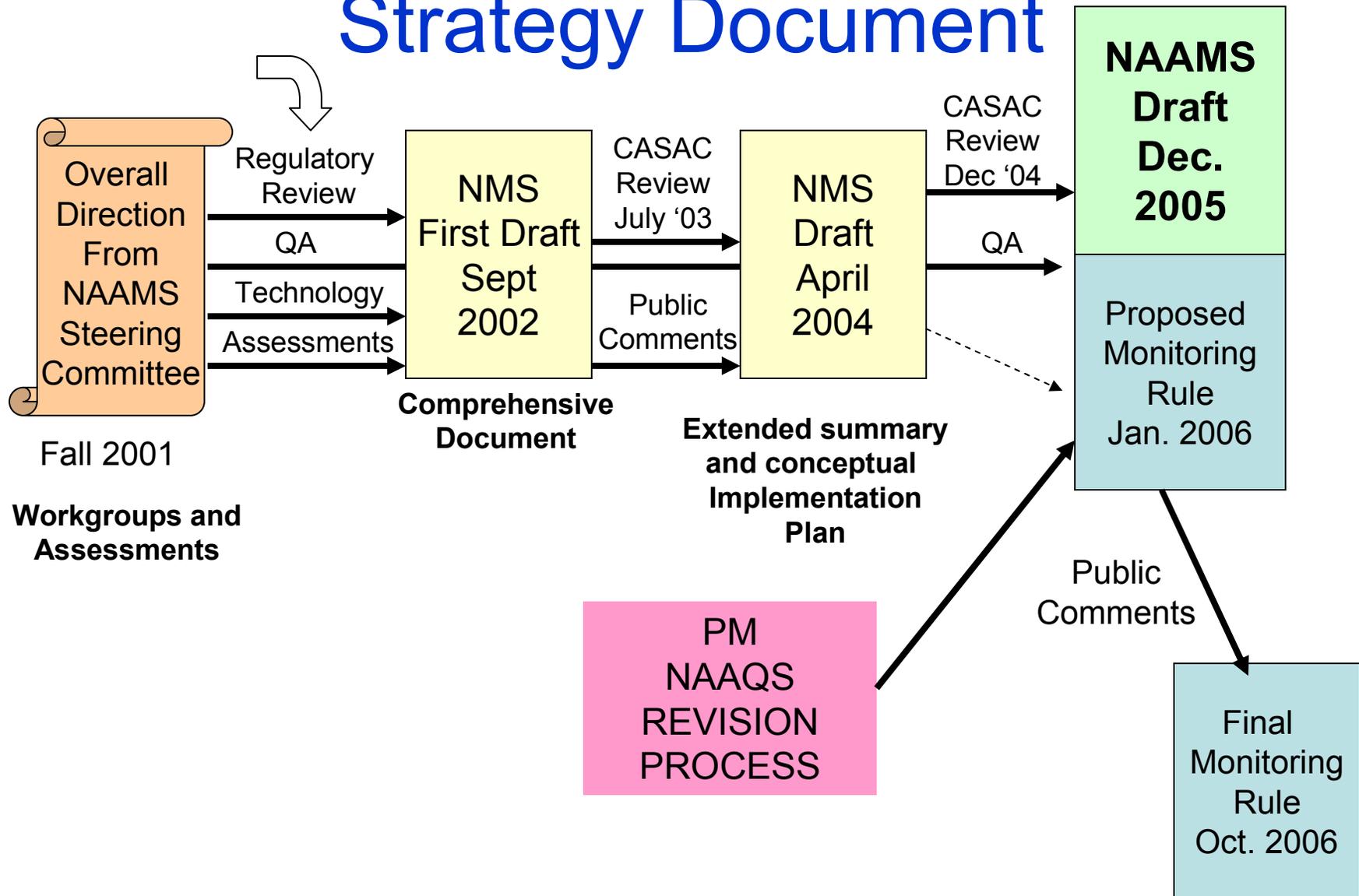
Phil Lorang
Ambient Air Monitoring Group
EPA OAQPS
Nov. 7, 2006
Las Vegas

The New Monitoring Rule is About State/Local Monitoring



- Method approvals
- SLAMS
- PAMS
- SPM
- NCore
- QA
- Data reporting
- Plans and Assessments

National Ambient Air Monitoring Strategy Document



The Monitoring Strategy is About the Bigger Picture

DRAFT

National Ambient Air Monitoring Strategy

Office of Air Quality Planning and Standards
Research Triangle Park, NC
December 2005

STATE/LOCAL MONITORING

- Monitor approval
- SLAMS & NAMS
- PAMS
- SPM
- NCore
- QA
- Data reporting
- Plans and Assessments

OTHER MONITORING

- Tribal monitoring
- Air Toxics
- IMPROVE
- NPS ozone
- CASTNET
- NADP: NTN, AIRMoN
- MDN
- Biowatch
- RADNET
- Research/academic networks
- Private networks
- Satellites

FUNDING & GRANTS

OMB's PART Process

Emissions rules

EPA TECHNICAL GUIDANCE

AQI Notifications & Smoke Days

Designations & SIPs

EPA QA POLICY

Monitoring Program Stakeholders

- Site operators
 - State and local governments
 - Multi-state organizations
 - EPA
 - Other Federal agencies
 - Tribes
 - Industry
 - University academics
- Data users
 - General public
 - Air pollution alert managers, smoke managers, etc.
 - Clean air planners (SIP and TIP developers)
 - Developers of planning tools (air quality models)
- Those who pay
 - Tax payers
 - Congress, via EPA
 - State and local governments
 - Multi-state organizations
 - Tribal governments

Whose Strategy Is It?

- The “National Strategy” is really EPA’s strategy.
 - A plan for using EPA resources and authority to help achieve goals endorsed by EPA.
 - Informed by dialog with others.
 - Intended to be supportive of other organizations’ strategies.
- Every other monitoring organization should also have its own strategy.
 - Its goals.
 - Its resources and authority.

The Strategy Addresses Distinct Types of Ambient Air Monitoring

- Urban Monitoring
 - NAAQS Networks
 - NCore Multipollutant Sites
 - Coarse PM
 - PAMS
 - PM speciation
 - Air Toxics
 - Near Roadway
 - Homeland Security

The Strategy Addresses Distinct Types of Ambient Air Monitoring, cont.

- Rural Monitoring
 - IMPROVE (visibility)
 - CASTNET (dry deposition)
 - NADP and MDN (wet deposition)
 - Proposed Mercury dry deposition network
- Tribal Monitoring

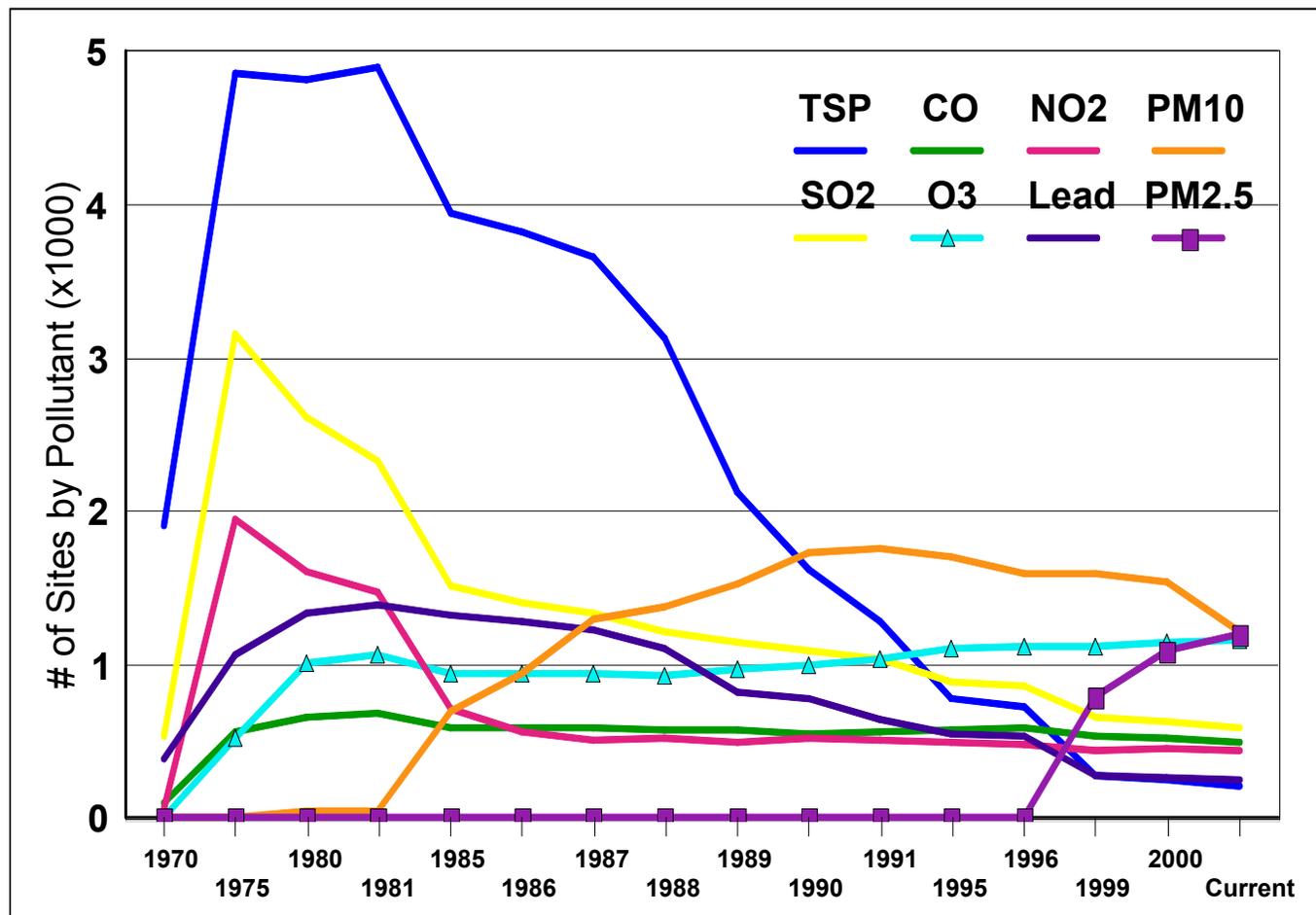
Monitoring Objectives

1. Data for the general public.
 - AQI and other public air quality reports.
2. Support risk assessment and management.
 - NAAQS
 - Visibility
 - Air Toxics
 - Ecosystem risks
 - Endangered species
 - Food chain
 - Cultural Values
3. Accountability.
4. R&D - Tool Development.

Four Overarching Goals of the Strategy

1. Keep monitoring matched to evolving and diverse current air quality challenges.
2. Integrate or coordinate networks, where advantageous.
3. Use best new science/methods to
 - Get the best data.
 - Provide better access to the data, so it gets used to best benefit.
4. Match action plans to funding.

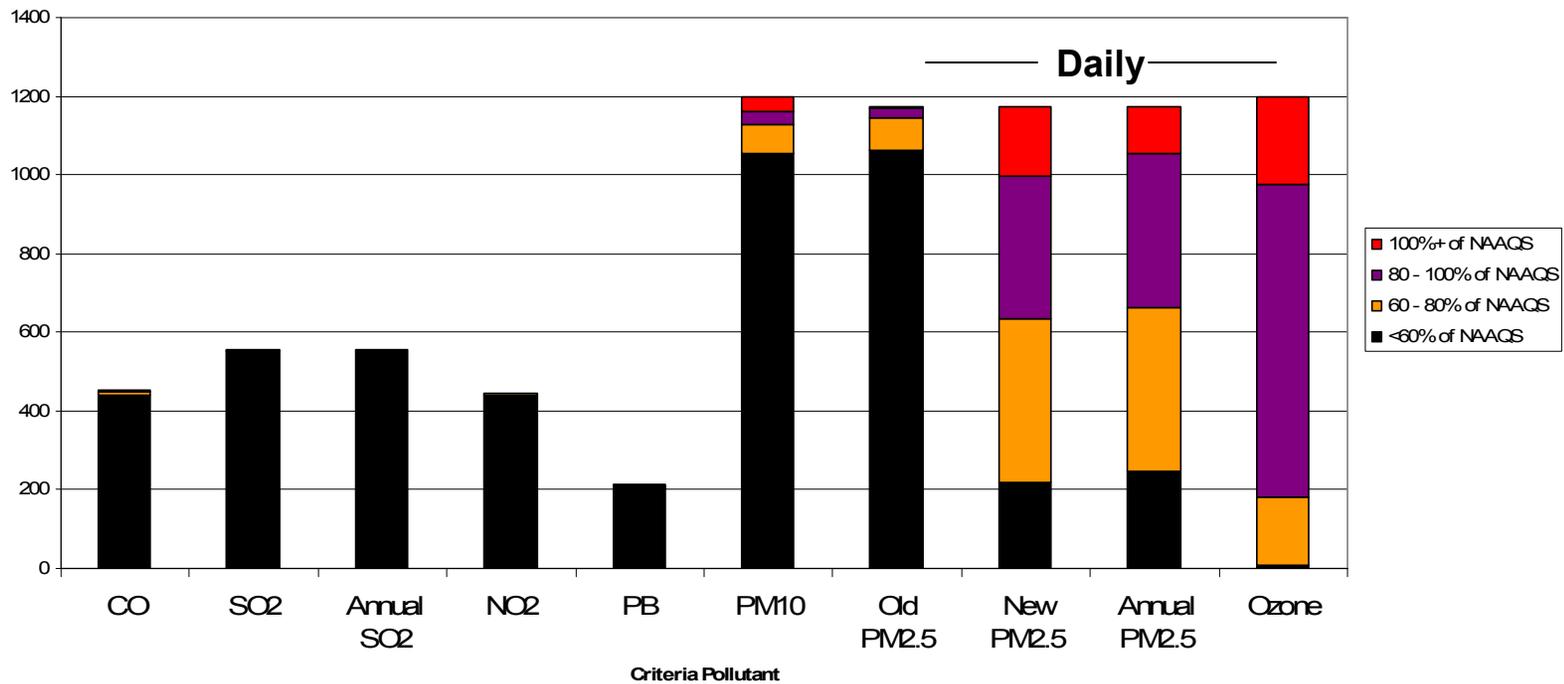
There has been evolution in NAAQS monitoring over time.



However, there has not been enough evolution, so far.

Criteria Pollutant Monitors Reporting to EPA's AQS database for CY-2004

Number of Monitors



Overarching Goals of the Strategy

1. Keep monitoring matched to evolving and diverse current air quality challenges.
2. Integrate or coordinate networks, where advantageous.
3. Use best new science/methods to
 - Get the best data.
 - Provide better access to the data, so it gets used to best benefit.
4. Match action plans to funding.

General Operating Principles

- Partnership
- Flexibility for diversity
- Work with the scientists more
- ***Keep funding steady***
- Use the data more intensively

The Strategy Has Many Planned Actions

One of these:

- Regulatory revisions
 - Reduce less important mandatory NAAQS-related monitoring, to free up resources for customized monitoring.
 - Multipollutant monitoring.
 - Continuous PM monitoring.
 - Etc.

Read the Rest of the Strategy!

<http://www.epa.gov/ttn/amtic/monstratdoc.html>

Or

Stop by the Registration Desk

Next Iteration – Early 2007

- Catch up with the specifics of the new Rule.
- Improve other aspects not well addressed in the December 2005 draft, e.g.,
 - Near Roadway issues
 - Deposition and air monitoring for accountability
- Reflect new budget reality, if necessary.
- Be useful to States as they prepare their July 2007 monitoring plans for EPA approval.

To Give Input for the Next Version

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