



NAAQS Reviews and Monitoring Implementation Updates

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Air Quality Analysis Division

MARAMA Meeting

December 2013



2012 Current Schedule for Ongoing NAAQS Reviews

(Updated November 21, 2013)

MILESTONE	POLLUTANT						
	Ozone	Lead	NO ₂ Primary	SO ₂ Primary	NO ₂ /SO ₂ Secondary	CO	PM
NPR	TBD	2014	2016	2017	2017	2017	Next review will begin with a kick-off workshop in 2014
NFR	TBD	TBD	2016	2017	2018	2018	



2012 PM_{2.5} NAAQS Revision

- EPA revised the annual primary PM_{2.5} NAAQS to 12 $\mu\text{g}/\text{m}^3$ from the previous level of 15 $\mu\text{g}/\text{m}^3$ on December 14, 2012
 - Published in Federal Register on January 15, 2013
 - NAAQS effective date: March 18, 2013
- Included PM_{2.5} monitoring co-located with near-road NO₂ monitors in CBSAs of 1 Million or more persons
 - Sites in CBSAs \geq 2.5 Million must be operational by January 1, 2015.
 - Sites in CBSAs \geq 1 Million and \leq 2.5 Million must be operational by January 1, 2017.



Ozone NAAQS Review

- Final Integrated Science Assessment released February 15, 2013
- Risk and Exposure Assessment (REA) and Policy Assessment (PA)
 - Anticipate releasing 2nd drafts at the end of the year
 - The Clean Air Scientific Advisory Committee (CASAC) and the public will review these documents at a CASAC meeting likely in late March 2014
 - First drafts were reviewed by CASAC and the public in a September 2012 meeting
- Proposal and final dates are TBD



Pb NAAQS Review

- Integrated Science Assessment (ISA) has been completed (including CASAC reviews)
- No new Risk and Exposure Assessment (REA)
- Policy Assessment Document (PAD)
 - 1st draft reviewed by CASAC, Final PAD expected early 2014
- Proposal – Summer 2014 (tentative)
- ❖ PAD recommended retaining current standard & CASAC concurred



NO₂ NAAQS Review

- Integrated Science Assessment (ISA) 1st draft released November 2013
- Integrated Review Plan (IRP) in development
 - Expected release in early 2014
- CASAC review of both ISA & IRP expected in March 2014
- Risk and Exposure Assessment (REA) & Policy Assessment Document (PAD) - TBD
- Proposal – 2016 (tentative)



SO₂ NAAQS Review

- Integrated Review Plan (IRP) in development
 - Anticipate CASAC review Feb/Mar 2014
- Integrated Science Assessment (ISA) in early development
 - Anticipate CASAC review of ISA in Fall of 2014
- Risk and Exposure Assessment (REA) & Policy Assessment Document (PAD) – TBD
- Proposal – 2017 (tentative)



2010 SO₂ NAAQS Implementation

- Revised primary SO₂ standard in June 2010 (75 ppb/1-hr)
- EPA issued PSD permit modeling guidance documents applicable to the 1-hr SO₂ NAAQS on August 23, 2010 and March 1, 2011
 - http://www.epa.gov/scram001/so2_modeling_guidance.htm
- Information on EPA's SO₂ area designations and implementation strategy
 - <http://www.epa.gov/airquality/sulfurdioxide/implement.html>
- Initial nonattainment area designations based on violating monitors effective October 4, 2013 – 29 areas designated
 - EPA's implementation strategy would involve two additional future rounds of initial designations based on modeling (2017) and monitoring (2020)
 - Lawsuits have been filed to compel EPA to complete designations for remaining areas



2010 SO₂ NAAQS Implementation (cont.)

- 1-hr SO₂ NAAQS Nonattainment SIP Elements Guidance
 - Draft sent to air agencies October 31, 2013 for review
 - Comment requested by December 6, 2013
 - Anticipate issuing final guidance in early 2014
- Anticipated SO₂ Data Requirements Rule
 - Objective is to provide information to EPA in an orderly fashion to inform initial area designations
 - Proposal targeted for early 2014 and final rule in late 2014
- Technical assistance documents available at <http://www.epa.gov/airquality/sulfurdioxide/implement.html>
 - Source-Oriented Sulfur Dioxide (SO₂) Monitoring Technical Assistance Document
 - Sulfur Dioxide (SO₂) National Ambient Air Quality Standards Designations Modeling Technical Assistance Document



Planned “Monitoring Rule”

- Intended to provide clarifications to existing requirements and potentially reduce burdens
 - QA requirements
 - Simplifying and reducing data reporting
 - Simplifying certification requirements
 - Address annual monitoring network plan process
- Proposal – early 2014 (tentative)
- Final – Summer 2014 (tentative)



Monitoring Conferences

- The traditional “AIRNow” conference set for February in RTP, NC
 - *Will NOT have a monitoring track*
 - Will have forecasting and outreach tracks
 - Announcement on airnow.gov front page
- Monitoring Workshop scheduled for August 11-14, 2014 in Atlanta, GA.
 - <http://www.epa.gov/ttn/amtic/naamc.html>



Questions?