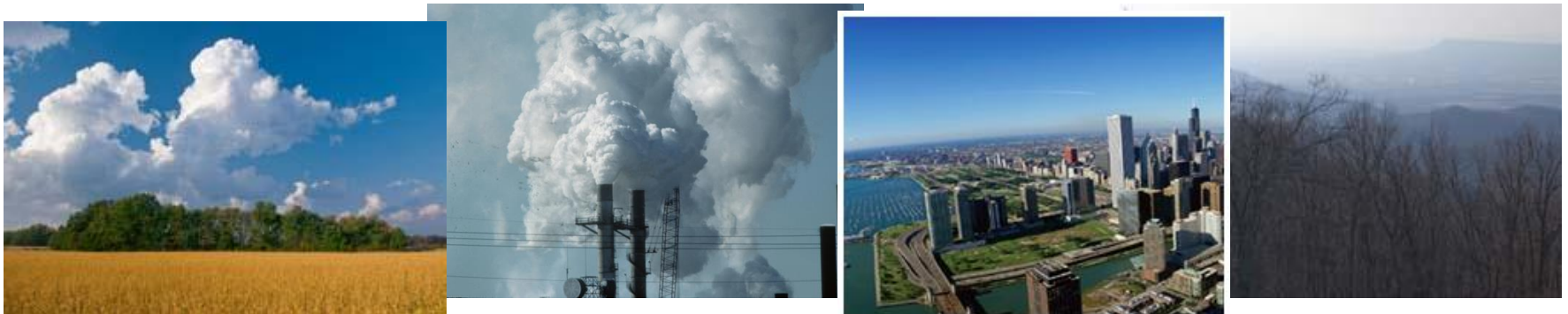


NAAQS Planning Update

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**GA AWMA Regulatory Update Conference
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Anticipated NAAQS Implementation Milestones

Pollutant	Final NAAQS Date	Infrastructure SIP Due	Designations Effective	Attainment Plans Due	Attainment Date
PM _{2.5} (2006)	Oct 2006	Oct 2009	Dec 2009	Dec 2014	Dec 2015 (Mod) Dec 2019 (Ser)
Pb (2008)	Oct 2008	Oct 2011	Dec 2010-2011	June 2012-2013	Dec 2015-2016
NO ₂ (2010) (primary)	Jan 2010	Jan 2013	Feb 2012	N/A	N/A
SO ₂ (2010) (primary)	June 2010	June 2013	Oct 2013 (+3 rounds)	April 2015	Oct 2018
Ozone (2008)	Mar 2008	Mar 2011	July 2012	Mid 2015-2016	2015-2032
PM _{2.5} (2012)	Dec 2012	Dec 2015	April 2015	Mid 2016	Dec 2021 (Mod) Dec 2025 (Ser)
Ozone (2015)	Oct 2015	Oct 2018	Dec 2017	Dec 2020-21	2020-2037

NAAQS Schedules and Implementation

- Lead
- Ozone
- PM_{2.5}
- SO₂



<http://www.epa.gov/ttn/naaqs/>



Lead

Lead NAAQS

- Revised NAAQS in 2008, primary and secondary standard is 0.15 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$) as a 3-month average concentration of lead in total suspended particles (Pb-TSP)
- 21 nonattainment areas designated in 2010-2011
 - 2 of the 21 areas now have clean data determinations
 - Issued findings of failure to submit attainment SIPs in February 2014 for 3 nonattainment areas
- NOI received in June 2014 from Center for Biological Diversity, Center for Environmental Health and Clean Air Council to require EPA to issue findings of failure to submit attainment plans (for 4 more areas) and failure to act on attainment plan submissions (for 6 areas)
 - Complaint also received and consent decree currently being negotiated.



Ozone



2008 8-hour Ozone NAAQS Implementation - Designations

- 2008 8-hour Ozone NAAQS (75 ppb)
- Area designations for the 2008 Ozone NAAQS effective on July 20, 2012
 - Nationally - Originally 46 nonattainment areas, 1 unclassifiable area
 - Region 4 Nonattainment Areas - originally 5 areas
 - 4 areas currently attaining
 - 1 area not attaining
- EPA received two petitions seeking redesignation to nonattainment of newly violating areas initially designated as attainment or unclassifiable
- On August 14, 2014, EPA denied the petition submitted by Sierra Club regarding the redesignation of 57 areas



2008 8-hour Ozone NAAQS Implementation – SIP Requirements and Revocation of 1997 Ozone NAAQS

- SIP Requirements Rule and Revocation of 1997 NAAQS
 - Proposed May 29, 2013 (78 FR 34178)
 - Final published March 6, 2015, (80 FR 12264) effective April 6, 2015
 - 1997 Ozone NAAQS revoked on April 6, 2015 for all purposes, including Transportation Conformity
 - The EPA's 2012 Classifications Rule for the 2008 ozone NAAQS previously revoked the 1997 NAAQS for purposes of transportation conformity only. However, that portion of the Classifications Rule was vacated by the court in December 2014.



SIP Requirements Rule

- Emission inventory, emissions statements SIPs due for all areas July 2014
- Reasonably Available Control Technology SIPs due July 2014 (moderate and above)
- Attainment plans and demonstrations due July 2015 (Moderate) or July 2016 (Serious and above)
- Attainment date for Marginal areas is July 20, 2015
 - The EPA's 2012 Classifications Rule for the 2008 ozone NAAQS previously established an attainment date of December 31, 2015. However, in December 2014, the court ruled that that date did not meet the statutory requirement and required that the attainment date changed to July 20, 2015.

Fine Particulate Matter

2012 PM_{2.5} NAAQS Designations

- December 14, 2012 – EPA promulgated 2012 annual PM_{2.5} NAAQS (12.0 µg/m³)
- December 2013 - state governors (and tribal leaders) submitted recommendations
- December 18, 2014 – Administrator signed final area designations for most areas of the country (based on 2011-2013 data)
 - Final designation decisions include 14 nonattainment areas involving 6 states, plus several unclassifiable areas, and the deferral of final decisions for up to 1 year for several areas
- Published on January 15, 2015; effective April 15, 2015.



PM_{2.5} NAAQS Implementation: SIP Requirements NPRM

- PM_{2.5} NAAQS SIP Requirements NPRM
 - Propose rule signed on March 10, 2015.
 - Finalize as close as possible to effective date of designations for the 2012 PM_{2.5} NAAQS (in late 2015)
- The proposal will:
 - Take comment on approaches to clarify nonattainment implementation requirements according to subpart 4 of part D of Title I of the CAA, consistent with January 2013 D.C. Circuit Court decision
 - Apply to all PM_{2.5} NAAQS nonattainment areas, including areas designated for the 1997 and 2006 PM_{2.5} NAAQS and areas designated later this year for the 2012 PM_{2.5} NAAQS
 - Address how subpart 4 court decision affects nonattainment NSR permitting requirements (e.g., with respect to major source threshold, precursors, etc.)

SULFUR DIOXIDE

2010 SO₂ NAAQS Implementation

- Revised primary SO₂ standard: June 2010 (75 ppb/1-hour)
- 29 Areas in 16 states designated nonattainment based on monitoring in 2013.
- SO₂ Area Designations and Implementation Strategy released February 2013
- Designations and Implementation Guidance and Assistance
 - Issued PSD permit modeling guidance documents applicable to the 1-hour SO₂ NAAQS on August 23, 2010 and March 1, 2011
 - Technical Assistance Documents for modeling and monitoring issued December 2013

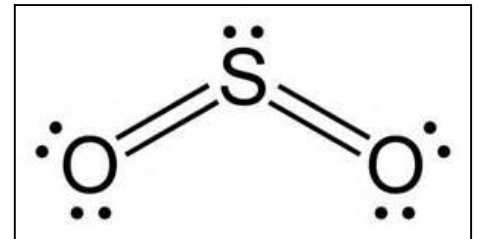
For more information including strategy and guidances visit
<http://www.epa.gov/airquality/sulfurdioxide/implement.html>

2010 SO₂ NAAQS Implementation

- 1-hr SO₂ NAAQS Nonattainment SIP Elements Guidance
 - Objective is to provide assistance to areas developing their nonattainment area plans
 - Issued guidance on April 24, 2014
 - <http://www.epa.gov/airquality/sulfurdioxide/pdfs/20140423guidance.pdf>
 - EPA Regional Offices are working to assist states with SO₂ nonattainment areas in applying this guidance to develop SIPs, redesignation areas, etc.
- SO₂ Data Requirements Rule
 - Objective is to provide information to EPA in an orderly fashion to inform initial area designations for areas not designated in 2013
 - Proposed on April 17, 2014
 - <https://www.federalregister.gov/articles/2014/05/13/2014-09458/data-requirements-rule-for-the-1-hour-sulfur-dioxide-so2>
 - Final scheduled for summer 2015 (or sooner)

2010 SO₂ NAAQS Designations

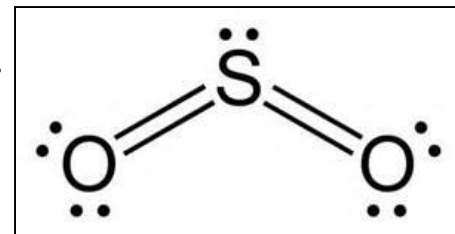
- SO₂ Strategy **now** provides for **four rounds** of designations:
 - **First** round of designations
 - Promulgated on August 5, 2013 (effective October 2013)
 - Attainment SIPs due April 2015
 - Attainment date October 2018
 - **Second** round of designations BASED ON CRITERIA of CONSENT DECREE by July 2, 2016 (see next slide)
 - Attainment SIPs due 18 months after designations
 - Attainment date is five years after designations
 - **Third** round BASED ON MODELING by December 2017 (effective by February 2018)
 - Attainment SIPs due August 2019
 - Attainment date February 2023
 - **Fourth** round BASED ON MONITORING by December 2020 (effective by February 2021)
 - Attainment SIPs due August 2022
 - Attainment date February 2026



<http://www.epa.gov/airquality/sulfurdioxide/implement.ht>

SO₂ Consent Decree

- March 2, 2015: The U.S. District Court, Northern District of CA granted a joint motion between EPA, Sierra Club, and NRDC to approve and enter the proposed consent decree for EPA to issue designations for the 2010 primary SO₂ NAAQS for all areas of the country that remain undesignated
 - Notably, the Court found that the consent decree is procedurally and substantively fair and reasonable, and simultaneously overruled objections to the consent decree
 - All other pending motions have been denied by the Court as moot
- July 2, 2016: EPA required to issue an additional round of designations according to criteria in the consent decree
- On March 20, 2015, EPA released letters to the 28 impacted states.



SO₂ Consent Decree & Designations

- No later than July 2, 2016, designations for two groups of areas:
 - Areas that have monitored violations of the 2010 SO₂ standard based on 2013 – 2015 air quality data
 - Based on preliminary data, EPA has identified 6 counties with monitors that are newly violating the standard.
 - Areas that contain any stationary source not announced for retirement that according to EPA's Air Markets Database emitted in 2012 either:
 - (a) more than 16,000 tons of SO₂, or
 - (b) more than 2,600 tons of SO₂ and had an average emission rate of at least 0.45 lbs SO₂/mmbtu.
 - EPA has identified 69 sources that meet these criteria.
- On March 20, 2015, EPA issued the updated designation guidance for SO₂.

Consent Decree Related to Georgia

- Georgia subject to consent decree for both conditions....
- Has a violating monitor based on preliminary 2012-2014 data.

State	County	Air Quality Systems Monitor Identification Number	Monitor Location	2012-2014 Preliminary SO ₂ Design Value (ppb)
GA	Chatham	13-051-1002	Pumping Station Intersection of W. Lathrop and August Ave. Savannah, GA 31415	78

- 2012 SO₂ emissions more that 16,000 tons.

State	County	Facility Name	2012 SO ₂ Emissions (tons)	2012 SO ₂ Emissions Rate (lb/MMBtu)
GA	Bartow	Robert W. Scherer Power Plant	42, 349	0.372



Timeline for 2012 Primary SO₂ NAAQS Designation Process for Areas Associated with July 2, 2016, Court-Ordered Deadline*

Milestone	Date **
Court Order	March 2, 2015
States may submit updated recommendations and supporting information for area designations to EPA	No later than September 18, 2015
EPA notifies states concerning any intended modifications to their recommendations (120-day letters)	o/a January 22, 2016, but absolutely no later than 120 days prior to final designations, i.e., March 2, 2016
EPA publishes public notice of state recommendations and EPA's intended modifications and initiates 30-day public comment period	o/a February 3, 2016
End of 30-day public comment period	o/a March 4, 2016
States provide additional information to demonstrate why an EPA modification is inappropriate	o/a April 8, 2016
EPA promulgates final SO ₂ area designations (no later than 16 months from Court Order)	No later than July 2, 2016

* The court's order directs EPA to promulgate additional rounds of designations by December 31, 2017, and December 31, 2020.

** o/a = on or about



QUESTIONS OR COMMENTS