

Stationary Source Program Update

Region 4 Air Directors Spring Meeting

Decatur, GA

May 20, 2015

Beverly Spagg/R4



Outline

- **The Region 4 “Stationary Source Team”**

- What we do
- Who we are

- **Key updates**

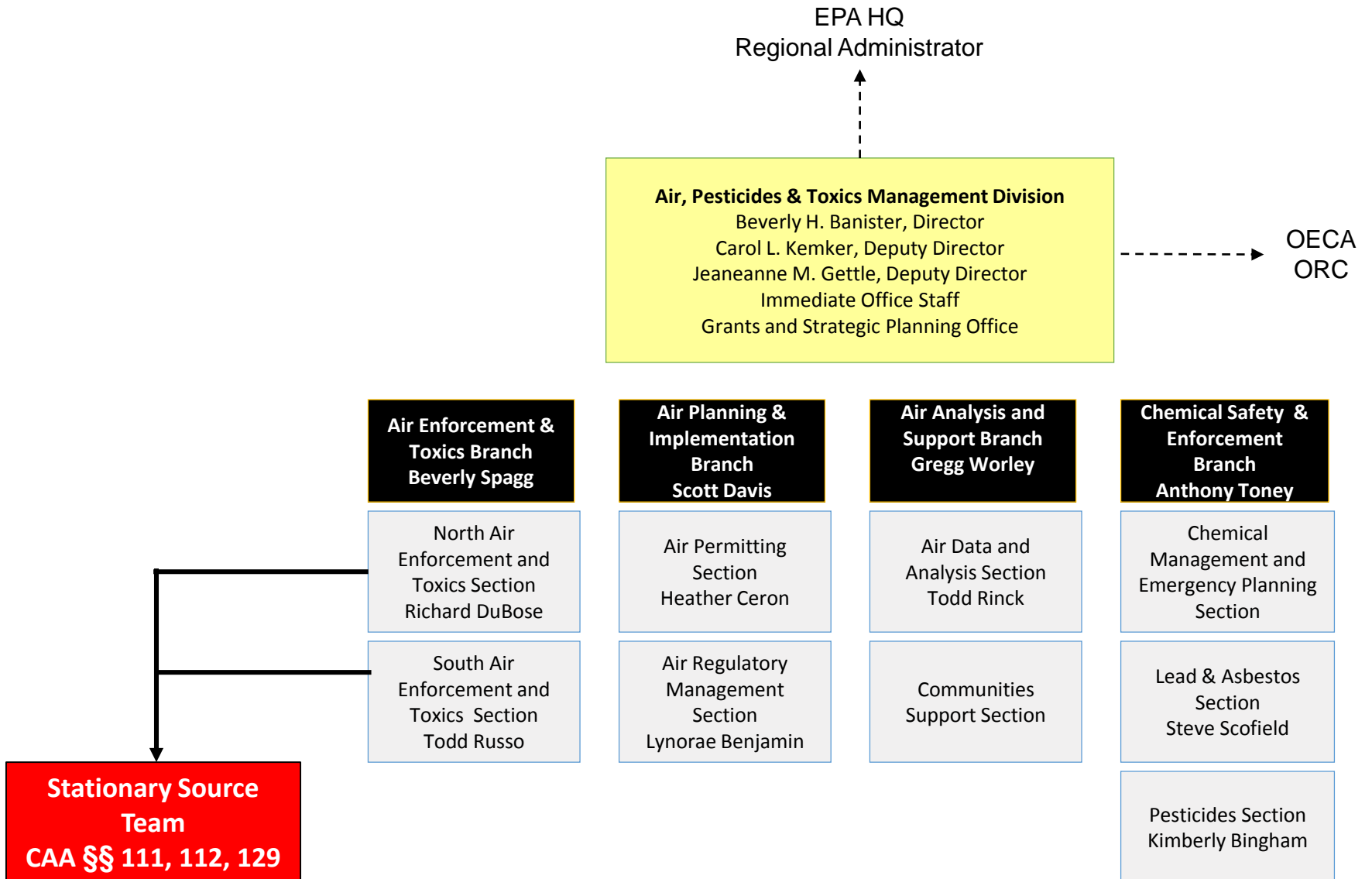
- Section 111
- Section 112
- Section 129

- **Discussion**





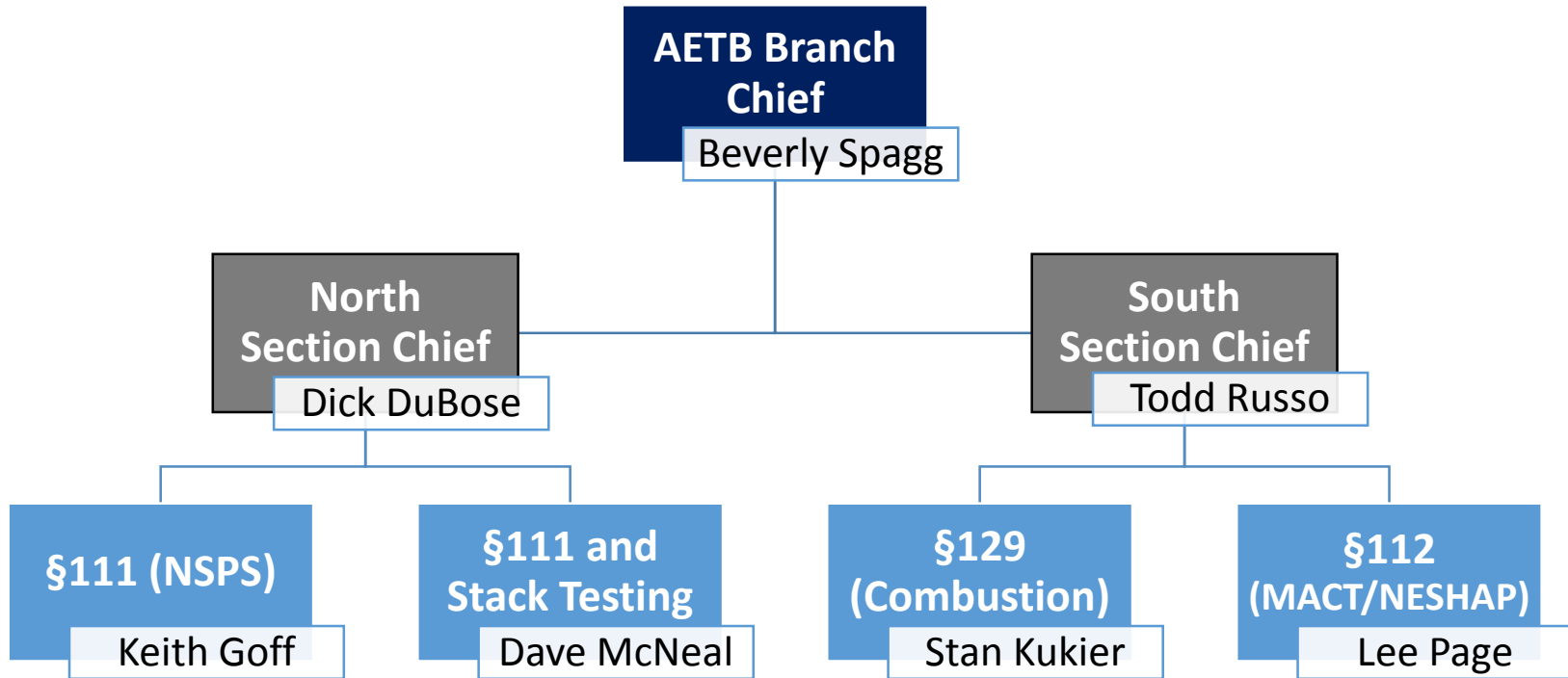
APTMD – We've Reorganized!





Stationary Source Team – Who We Are

Air Enforcement and Toxics Branch (AETB)

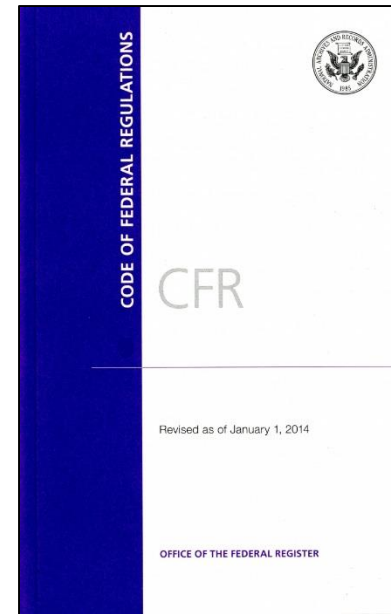


Ken Mitchell acts as the Team Lead for the Stationary Source Team



Stationary Source Team – What We Do

- Assist in program implementation of CAA §§111 (NSPS), 112(MACT/NESHAP), and 129 (Combustion)
 - Applicability determinations
 - Regulatory interpretations
 - Policy/Guidance
 - Monitoring, testing, recordkeeping requirements
 - State Plans (§§111 and 129)
 - State and rule delegations





New Source Performance Standards

Electronic Reporting and Recordkeeping for NSPS Sources

- Proposed 3/20/15
- Public comment period ended 5/19/15
- Affects more than 70 different subparts promulgated in 40 CFR Part 60
- Also lists 20 subparts that are not covered by the proposal
- Estimated annual cost savings of \$300K for the regulated community
- No attempt to quantify cost savings for the EPA or state air agencies



<http://www.epa.gov/ttn/atw/ereporting/20150302aerrproposal.pdf>



New Source Performance Standards

Electronic Reporting and Recordkeeping for NSPS Sources (continued)

- Types of Covered Submittals
 - Summary reports – 40 CFR 60.7(c)
 - Excess emission reports – 40 CFR 60.7(c)
 - Performance test reports – 40 CFR 60.8(a)
 - CEM performance reports – 40 CFR 60.13(c)
 - Subpart-specific reporting
- The authority to approve alternatives to electronic reporting is retained by EPA

Electronic Reporting – A Good Thing!

Streamlined, automated report reviews

Readily accessible data



Federal repository/back-up system

Decrease in required storage space for hardcopy reports



New Source Performance Standards

Subpart XXX

- Proposed 7/17/14 to comply with a statutory requirement to periodically review Subpart WWWW
- Applicable to municipal solid waste landfills that commenced construction, reconstruction or modification on or after the proposal date
- Public comment period closed 9/15/14
- Projected promulgation date (latest EPA Regulatory Agenda) was 4/15





New Source Performance Standards

Subpart XXX (continued)

- Proposed Subpart XXX requirements similar to NSPS Subpart WWW
- Lowers the NMOC emission rate threshold that triggers the requirement for a GCCS from 50 Mg to year to 40 Mg
- Defines the word “treatment”
- Requires landfill owners/operators to estimate the magnitude of emissions during startup, shutdown, and malfunction
- Clarifies issues frequently raised during implementation of Subpart WWW

What to Expect

EPA expects **17** affected landfills by 2023

EPA estimates a GCCS required for **8** landfills by 2023

EPA estimates **9** affected landfills only subject to annual NMOC emission rate reporting requirement by 2023

Landfill owners expect potentially more affected facilities than EPA's estimates due to expansions of existing landfills



New Source Performance Standards

Quality Assurance (QA) Procedures for Continuous Opacity Monitoring Systems (COMS)

- Promulgated 5/16/14
- Applicable to COMS used for demonstrating continuous compliance
- Compliance deadline was 11/12/14
- Rulemaking asserts that there are no compliance costs associated with the rules since the QA checks outlined in it are modeled after procedures already recommended by COMS vendors

Required QA Tests

Daily instrument zero and upscale drift checks

Daily status indicator checks

Quarterly performance audits

Annual zero alignment (has to be done off-stack at least once every three years)

Requirement for a corrective action program to address repairs and maintenance



New Source Performance Standards

Miscellaneous

- Proposed technical corrections for the petroleum refinery NSPS
- Proposed Subpart DDa for new grain elevators
- Final action on startup/shutdown provisions in Utility NSPS
- Final amendments to oil and gas sector NSPS
- Final wood heater NSPS

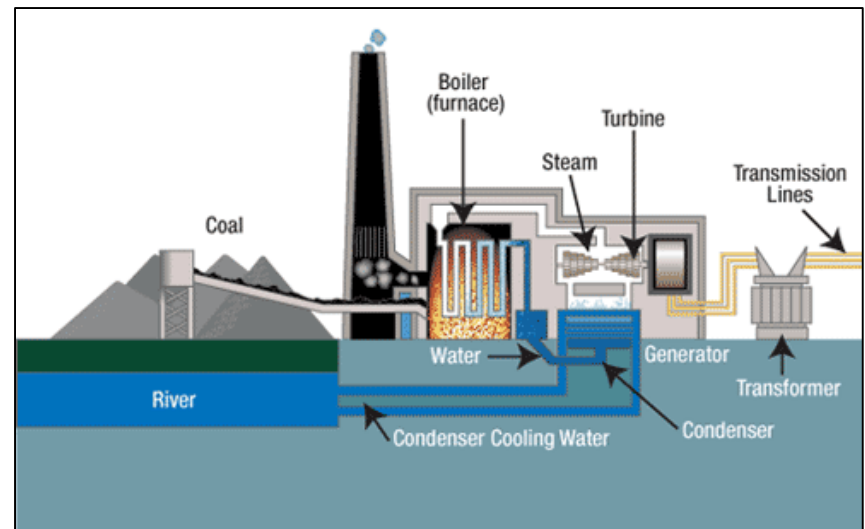




New Source Performance Standards

Carbon Pollution Standards for the Power Sector

1. **New** power plants
 - Proposed January 8, 2014
 - Final Summer 2015
2. **Modified and reconstructed** power plants
 - Proposed June 2014
 - Final Summer 2015
3. **Existing** power plants
 - Proposed Guidelines June 2014
 - Final Guidelines Summer 2015
 - State Plans due Summer 2016
 - Proposed Federal Plan summer 2015 (final ready summer 2016)



<http://www.epa.gov/cleanpowerplan>



President Obama's Proposed FY 2016 Budget

The President's FY16 budget prioritizes climate action by providing funding to support efforts to address climate change

- \$25 million in grants to help states develop their Clean Power Plan strategies
- Clean Power State Incentive Fund Proposal of \$4 billion investment fund for states choosing to go beyond minimum requirements in the Clean Power Plan
 - The Fund will enable states that accelerate their reductions from the power sector to receive resources for their heightened efforts
 - States could use funds for a range of activities that advance or complement the Clean Power Plan

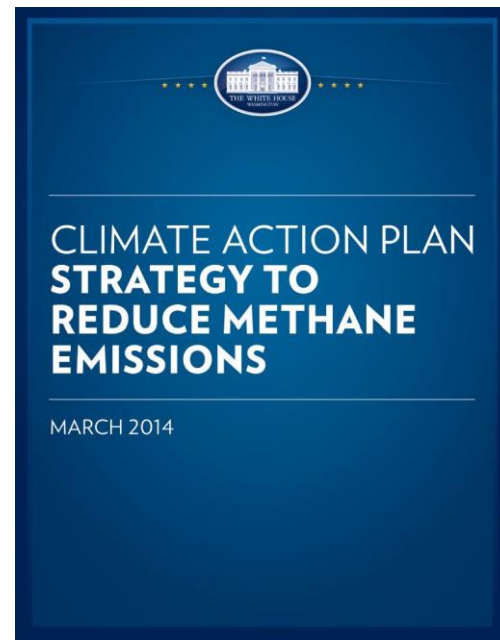


<http://www2.epa.gov/planandbudget/fy2016>



President's Methane Strategy

- 1/14/15 - The Administration announced a new goal to cut methane emissions from the oil and gas sector by 40–45% from 2012 levels by 2025
- To help meet this goal, EPA will:
 - Propose and set of commonsense rules for methane and ozone-forming emissions from new and modified sources
 - Propose new guidelines to reduce VOCs
 - Expand on the successful natural gas STAR program by launching a new partnership in collaboration with key stakeholders later in 2015



<http://www.epa.gov/airquality/oilandgas/>



Air Toxics

Major and Area Source Rulemaking Updates

Section 112 Major Source Rules	New Rule or Re-work	Promulgation Deadline	Status	Comments
Brick & Struct. Clay	Re-work due to Vacatur	9 / 24 / 15	Proposed on 11 / 20 / 14	112(j) does apply
Clay Ceramics	Re-work due to Vacatur	9 / 24 / 15	Proposed on 11 / 20 / 14	
Utilities MACT	Technical corrections		Proposed on 2 / 17 / 15	Comments end 4 / 3 / 15
Utilities MACT	Reconsideration	4 / 30 / 15	Final	Denial of remaining petitions

Area Source Rules	New Rule or Re-work	Promulgation Deadline	Status	Comments
Reciprocating Internal Combustion Engines	Court vacates emergency provisions	5 / 1 / 15	Remanded back to EPA	Only affects 100 hrs for non-emergency use

Red indicates projected date of action



Air Toxics

Risk and Technology Review Rules

Residual Risk Rules	New Rule or Re-work	Promulgation Deadline	Status	Comments
Ferroalloys Production		5 / 28 / 15	Supp. Proposal 10 / 6 / 14	Proposed on 11 / 23 / 11
Mineral Wool		6 / 18 / 15	Supp. Proposal 10 / 15 / 14	Proposed on 11 / 25 / 11
Wool Fiberglass		6 / 18 / 15	Supp. Proposal 10 / 15 / 14	Proposed on 11 / 25 / 11
Secondary Aluminum		8 / 14 / 15	Supp. Proposal 11 / 13 / 14	Proposed on 2 / 14 / 12
Primary Aluminum		8 / 14 / 15	Supp. Proposal 11 / 13 / 14	Proposed on 12 / 6 / 11
Petroleum Refinery		9 / 30 / 15	Proposed on 6 / 30 / 14	Part 63; CC & UUU + NSPS
Off-Site Waste Recovery		Promulgated on 3 / 18 / 15	Proposed on 7 / 2 / 14	
Phospho. Acid Phosphate Fert.		7 / 21 / 15	Proposed on 10 / 21 / 14	
Aerospace		11 / 19 / 15	Proposed on 2 / 17 / 15	

Red indicates projected date of action



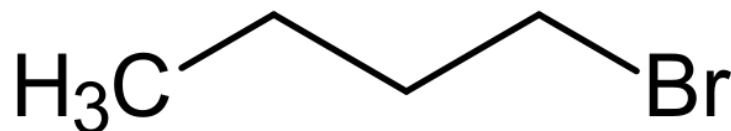
Air Toxics

Petition to List n-Propyl Bromide as a HAP

- 2/6/15 - EPA announced it had received a complete petition to add n-Propyl Bromide (nPB) to the list of section 112(b)(1) hazardous air pollutants (HAP) list

- Petitioners

- The Halogenated Solvent Industry Alliance (HSIA)
- The New York State Department of Environmental Conservation (NYSDEC)



- The 2/6/15 announcement initiated EPA's comprehensive technical review phase of the petition process (comment period closed 3/9/15)
- Following completion of the technical review phase, EPA will decide whether to grant or deny the petition

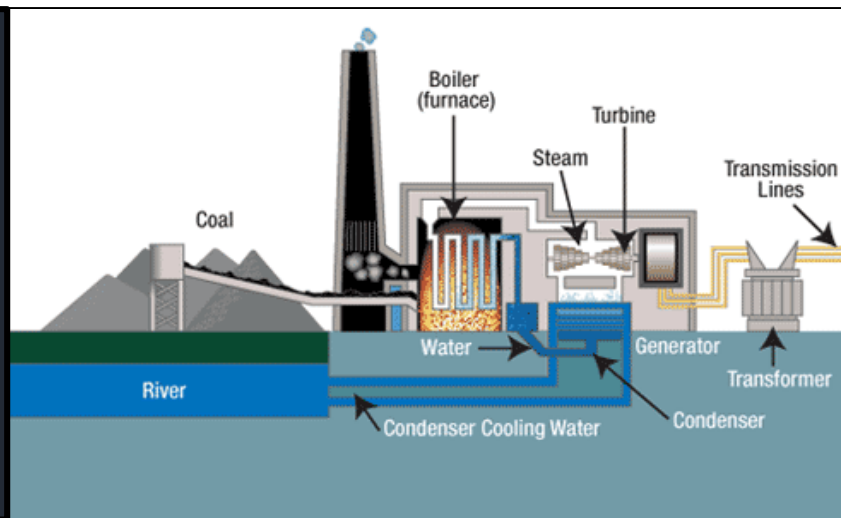


Air Toxics

Mercury Air Toxics Standard (MATS)

Where are we on meeting compliance deadlines in the Southeast?

Open Discussion



<http://www.epa.gov/MATS>



Combustion (§129)

Sewage Sludge Incineration

- April 7, 2015 – EPA proposed a Federal Plan to implement the Emission Guidelines for Sewage Sludge Incinerators adopted on March 21, 2011
- Applies to states that did not have an approved state plan in place by March 21, 2012
- Contains the same elements that state plans are required to contain, including source and emissions inventories, emission limits, testing, monitoring, and reporting requirements, as well as compliance schedules that include milestones for progress



<http://www.epa.gov/ttn/atw/129/ssi/ssipg.html>



Combustion (§129)

Nonhazardous Secondary Materials Proposal

- In a February 7, 2013, rule, EPA listed particular NHSM as “categorical non-waste fuels” provided certain conditions are met
- EPA also indicated that it would consider adding additional NHSM to the categorical listings
- 3/25/14 – EPA proposed adding three materials to the list of categorical nonwaste fuels:
 - Construction and demolition (C&D) wood processed from C&D debris according to best management practices
 - Paper recycling residuals, including old corrugated cardboard (OCC) rejects, generated from the recycling of recovered paper and paperboard products and burned on-site by paper recycling mills whose boilers are designed to burn solid fuel
 - Creosote treated railroad ties that are processed and combusted in units designed to burn both biomass and fuel oil

<http://www.epa.gov/epawaste/nonhaz/define/index.htm>



Questions?

spagg.beverly@epa.gov