

EPA Updates

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May 2014

Outline

- ▶ NAAQS Updates
- ▶ Status of Model Development
- ▶ Recent Guidance, Reports, and Efforts
- ▶ Ongoing and Future Hot-spot Work

NAAQS Updates

- ▶ Designations process underway for:
 - 2012 primary annual PM_{2.5} NAAQS
- ▶ Implementation rules under development for:
 - 2008 Ozone NAAQS
 - 2012 PM_{2.5} NAAQS
- ▶ Litigation on revocation of 1997 Ozone NAAQS for transportation conformity purposes
- ▶ New transportation-related NAAQS reviews underway for:
 - Ozone NAAQS
 - NO₂ NAAQS

Near-Road Monitoring Requirements

CBSA Size by Population	NO ₂	CO	PM _{2.5}
≥ 1 Million	Jan 1, 2014	Jan 1, 2017 (for CBSAs ≥ 1M and ≤ 2.5M)	Jan 1, 2017 (for CBSAs ≥ 1M and ≤ 2.5M)
≥2.5 Million OR road segment ≥250,000 AADT (NO ₂ only)	Jan 1, 2015 (second site)	Jan 1, 2015 (for CBSAs ≥ 2.5M)	Jan 1, 2015 (for CBSAs ≥ 2.5M)
Between 500K and 1 Million	Jan 1, 2017	none	none

General expectation that CO and PM_{2.5} monitors will be collocated at NO₂ near-road station site #1 (or #2 if applicable)

Status of Model Development

- ▶ MOVES
- ▶ EMFAC
- ▶ AERMOD
- ▶ CAL3QHCR
- ▶ Only *approved* versions of models can be used for official purposes

Recent Guidance and Reports

- ▶ *Diesel Retrofits: Quantifying and Using Their Emission Benefits in SIPs and Conformity – Guidance for State and Local Air and Transportation Agencies*
 - Released February 2014; Reflects MOVES2010b methodology
 - www.epa.gov/otaq/stateresources/transconf/policy/420b14007.pdf
- ▶ *Commuter Programs: Quantifying and Using Their Emission Benefits in SIPs and Conformity – Guidance for State and Local Air and Transportation Agencies*
 - Released February 2014; Removed MOBILE-based COMMUTER model
 - www.epa.gov/otaq/stateresources/policy/transp/commuter/420b14004.pdf
- ▶ *Estimating Emission Reductions from Travel Efficiency Strategies: Three Sketch Modeling Case Studies*
 - Released January 2014
 - www.epa.gov/otaq/stateresources/policy/420r14003.pdf

EPA Ports Initiative

- ▶ www.epa.gov/otaq/ports/
- ▶ From September 2013 to March 2014, conducted a “National Conversation on Ports”
 - To exchange views and develop a shared understanding of the challenges and opportunities of ports and port communities
- ▶ On April 8, 2014, hosted the Port Stakeholders Summit in Baltimore
 - Served as a venue for port professionals, experts and stakeholders to address the many opportunities and challenges faced by our nation’s ports and neighboring communities
- ▶ EPA also awarded \$4.2 million in DERA grant funds to port authorities for projects that will reduce diesel emissions at ports

New Grant Opportunity

- ▶ National Clean Diesel Funding Assistance Program
 - www.epa.gov/air/grants_funding.html
 - www.epa.gov/air/grants/rfa-epa-oar-otaq-14-05.pdf
 - RFP opened May 1st and will close June 17, 2014
- ▶ *Eligible diesel emission reduction solutions include verified emission control technologies such as exhaust controls, cleaner fuels, and engine upgrades, verified idle reduction technologies, verified aerodynamic technologies and low rolling resistance tires, certified engine repowers, and/or certified vehicle or equipment replacement.*
- ▶ *Eligible diesel vehicles, engines and equipment may include buses, medium-duty or heavy-duty trucks, marine engines, locomotives and nonroad engines, equipment or vehicles used in construction, handling of cargo (including at a port or airport), agriculture, mining or energy production (including stationary generators and pumps).*

Ongoing EPA Hot-spot Work

- ▶ Provide technical assistance for PM and CO hot-spot analyses across the country
- ▶ Training federal, state, and local agencies on PM hot-spot guidance and models
 - 11 trainings already completed for 300+ attendees
 - Additional trainings to be considered after MOVES2014 release
- ▶ Significant consultation and technical assistance for FHWA's categorical CO hot-spot conformity finding
 - Released February 2014
- ▶ NCHRP panels related to PM background concentrations and CO programmatic agreements