

Update on NAAQS Actions

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TAC

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EPA – PM NAAQS

- EPA OAPAQs released a policy assessment (PA) for current PM NAAQS
- PA - a bridge between relevant scientific evidence and technical information and the judgments required of the EPA administrator in determining whether, and if so how, to revise the PM NAAQS

EPA – PM NAAQS

- PA addresses
 - primary standards for fine particles (PM_{2.5}) & thoracic coarse particles
 - secondary standards for PM-related visibility impairment & non-visibility welfare effects
- EPA conclusion (annual PM_{2.5} NAAQS)
 - Consider annual PM_{2.5} NAAQS level between 13-11 $\mu\text{g}/\text{m}^3$
 - Evidence most strongly supports level between 12-11 $\mu\text{g}/\text{m}^3$ along with retention of the current 24-hour standard of 35 $\mu\text{g}/\text{m}^3$
 - If the annual standard were to be set at 13 $\mu\text{g}/\text{m}^3$, then limited support to consider revising the 24-hour standard to somewhat below 35 $\mu\text{g}/\text{m}^3$, such as to 30 $\mu\text{g}/\text{m}^3$

EPA - PM NAAQS

- EPA Conclusion (24-hour PM₁₀ NAAQS)
 - Consider changing to a level between 85-65 ug/m³ (currently at 150 ug/m³)
 - Change NAAQS form to 98th percentile (currently one-expected-exceedance)
 - Retaining 24-hour averaging time

EPA - PM NAAQS

- EPA Conclusion (Secondary Standards for PM-related Visibility Impairment)
 - Consider a new standard defined in terms of a PM_{2.5} light extinction indicator calculated using speciated PM_{2.5} mass and relative humidity
 - 24-hour averaging time and a level of 28 deciviews (dv) or somewhat below, down to 25 dv.
 - Also consider a multi-hour, sub-daily averaging period (e.g., 4 hours) with a level of 30 dv or somewhat below, down to 25 dv.
 - In all cases (24 or 4 hour), consideration should be given to a 90th percentile form, averaged over three years

EPA - PM NAAQS

- EPA Conclusion (Secondary Standards for Non-visibility Welfare Effects)
 - Currently available information supports retaining control of both fine and coarse particles to address PM-related effects on ecosystems and materials damage and soiling
 - insufficient information to assess the adequacy of protection afforded by the current standards
 - Insufficient information at this time to base a NAAQS on climate impacts associated with current ambient concentrations of PM or its constituents

EPA – Review of Ozone NAAQS

- Clean Air Act – Review existing NAAQS every five year
- EPA review process of ozone NAAQS currently underway
- EPA announced availability of two draft documents for public review
 - Ozone National Ambient Air Quality Standards: Scope and Methods Plan for Health Risk and Exposure Assessment (Primary ozone NAAQS)
 - Ozone National Ambient Air Quality Standards: Scope and Methods Plan for Welfare Risk and Exposure Assessment (Secondary ozone NAAQS)

EPA – Review of Ozone NAAQS

- Documents - EPA plans for risk and exposure analyses for review of the primary and secondary ozone NAAQS
- Final Integrated Review Plan for the Ozone National Ambient Air Quality Standards - Plan for reviewing the air quality criteria and NAAQS for ozone
- Public Comments - June 27, 2011
 - <http://www.gpo.gov/fdsys/pkg/FR-2011-04-28/pdf/2011-10340.pdf>
- Final rule – June 2014