



Review of EPA Proposal to Revise the National Ambient Air Quality Standards for Particulate Matter

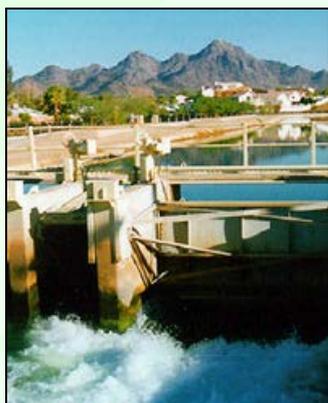
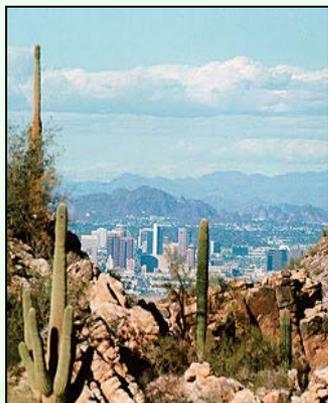
MAG Air Quality Technical Advisory Committee

July 26, 2012

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Proposed Revisions to the Particulate Matter National Ambient Air Quality Standards

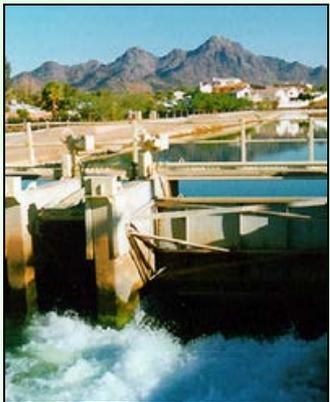
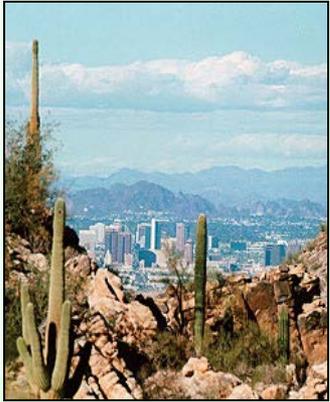
- **Last review was completed in October 2006**
 - Retained 24-hour PM-10 standard at $150 \mu\text{g}/\text{m}^3$
 - Revoked annual PM-10 standard
 - Revised 24-hour PM-2.5 standard from 65 to $35 \mu\text{g}/\text{m}^3$
 - Retained annual PM-2.5 standard at $15 \mu\text{g}/\text{m}^3$
 - Secondary standards set equal to primary standards



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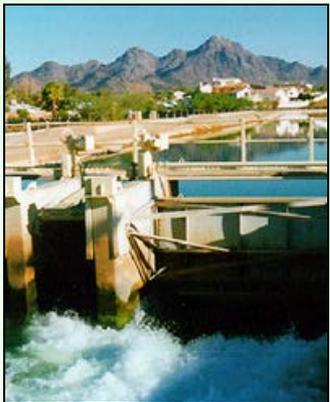
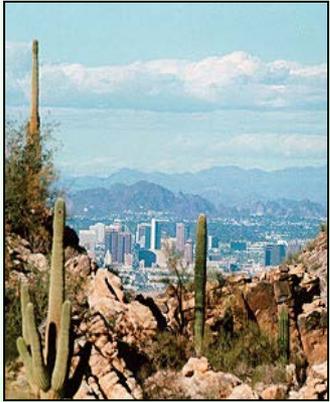
- **Proposed revision published in the Federal Register on June 29, 2012**
 - Retain 24-hour PM-10 standard at $150 \mu\text{g}/\text{m}^3$
 - Retain 24-hour PM-2.5 standard at $35 \mu\text{g}/\text{m}^3$
 - Revise annual PM-2.5 standard from $15 \mu\text{g}/\text{m}^3$ to within a range of 12 to $13 \mu\text{g}/\text{m}^3$
 - Set a distinct secondary standard for PM-2.5 to address visibility effects, primarily in urban areas. New 24-hour standard set at either 30 or 28 deciviews
 - Retain secondary standards to address non-visibility welfare effects
 - Require one near-road PM-2.5 monitor in each urban area (CBSA) with a population of one million or more
 - Update the Air Quality Index (AQI) and grandfather certain preconstruction permits
 - Comments due by August 31, 2012



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- EPA projects that 99% of counties will meet the proposed standards without the need for additional local measures by the 2020 attainment data
 - EPA projects 2020 annual PM-2.5 to be $10.2 \mu\text{g}/\text{m}^3$ in Maricopa County
 - Current 3-year (2009-2011) annual average PM-2.5 in Maricopa County:
 - Mesa monitor: $7.50 \mu\text{g}/\text{m}^3$
 - South Phoenix monitor: $10.50 \mu\text{g}/\text{m}^3$
 - West Phoenix monitor: $9.64 \mu\text{g}/\text{m}^3$
 - EPA projects 2020 24-hour visibility to be 20 deciviews in Maricopa County

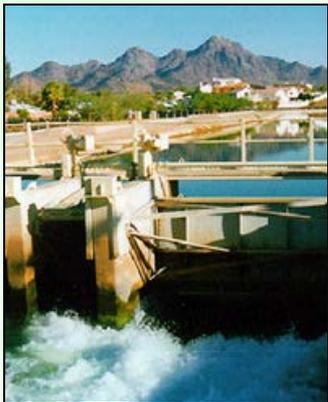
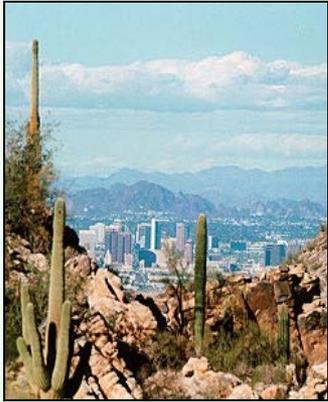


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- **EPA expected implementation timeline:**

- Final Rule: December 14, 2012
- State designation recommendations to EPA: December 2013
- Final area designations: December 2014
- Attainment demonstration SIPs due: 2018
- Attainment dates: 2020-2025





For More Information

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