



Review of the National Ambient Air Quality Standards for Lead

Draft Integrated Review Plan

Consultation with CASAC

May 5, 2011





Pb NAAQS Review Team

Office of Air Quality Planning and Standards

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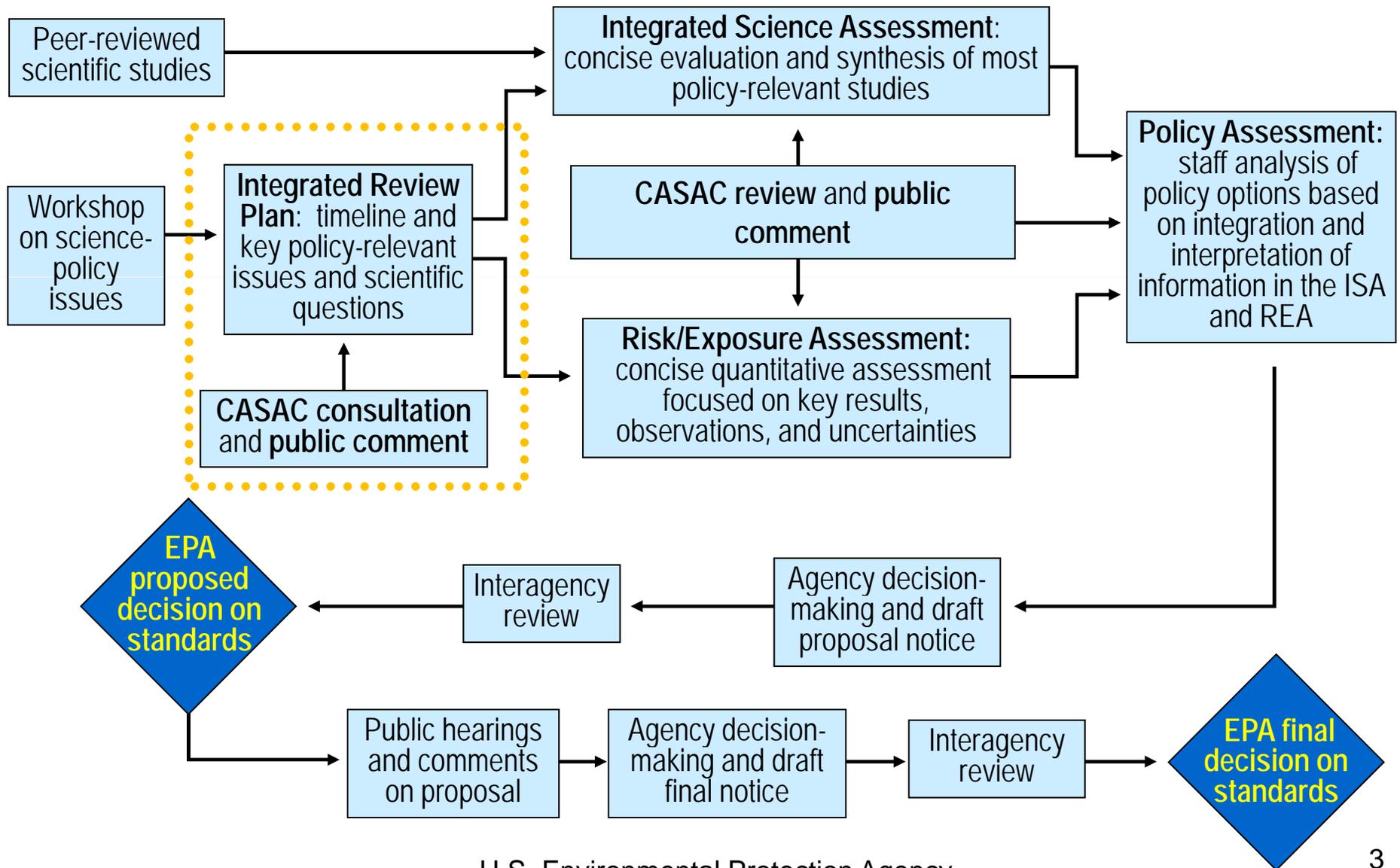
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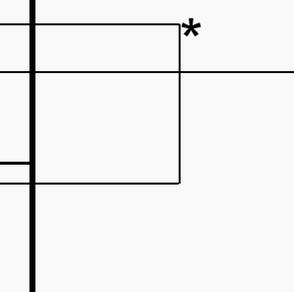
NAAQS Review Process



Schedule for the Current Review



Major Milestones		Projected Completion Date	Projected CASAC Review Date
Workshop to Discuss Key Policy-Relevant Issues		May 2010	
Integrated Review Plan	Draft Final	March 2011 June 2011	May 5, 2011
Integrated Science Assessment	First Draft Second Draft Final	May 2011 Dec 2011 July 2012	July 20-21, 2011 Feb/March 2012
Risk/Exposure Assessment	Planning Document If warranted, First Draft Second Draft Final	June 2010 Jan 2012 July 2012 Jan 2013	July 21, 2011 Feb/March 2012 Sept/Oct 2012
Policy Assessment (PA)	First Draft PA Second Draft PA Final PA	Aug 2012 Feb 2013 June 2013	Sept 2012 March 2013
Rulemaking	Proposed Rulemaking Final Rulemaking	Jan 2014 Nov 2014	



*Indicates that a single CASAC meeting will address both documents



Overarching Questions

- In light of newly available information, is the current primary standard requisite to protect public health with an adequate margin of safety?
 - If not, what revisions are appropriate in terms of indicator, averaging time, form and level.
- In light of newly available information, is the current secondary standard protective of public welfare from any known or anticipated adverse effects?
 - If not, what revisions are appropriate in terms of indicator, averaging time, form and level.



Science Policy Workshop

- A workshop was held on May 10-11, 2010 to inform development of the draft integrated review plan
- Participants included a wide range of external and EPA experts representing a multiple areas of expertise including:
 - Epidemiology, toxicology, toxicokinetic modeling, exposure assessment, sources and emissions, analytical methods, atmospheric sciences, ambient monitoring, fate and transport in the environment, statistics and ecological effects
- Broad discussions of:
 - Key policy-relevant issues around which EPA would structure the review
 - Most meaningful new and emerging scientific evidence
 - To inform our understanding of the key policy-relevant issues



Science Policy Workshop: Panel sessions

- Pathways of Environmental Distribution and Human Exposure to Ambient Air Pb
- Health Effects Evidence
- Ecological Effects Evidence
- Quantitative Ecological Risk Assessment
- Quantitative Human Exposure and Health Risk Assessments



Draft Integrated Review Plan: Organization of Document

1. Introduction (including regulatory history)
2. Review Schedule
3. Key Policy-Relevant Issues
4. Science Assessment
5. Quantitative Risk and Exposure Assessment
6. Ambient Air Monitoring
7. Policy Assessment and Rulemaking