

Technology Review Overview for EPA's Science Advisory Board

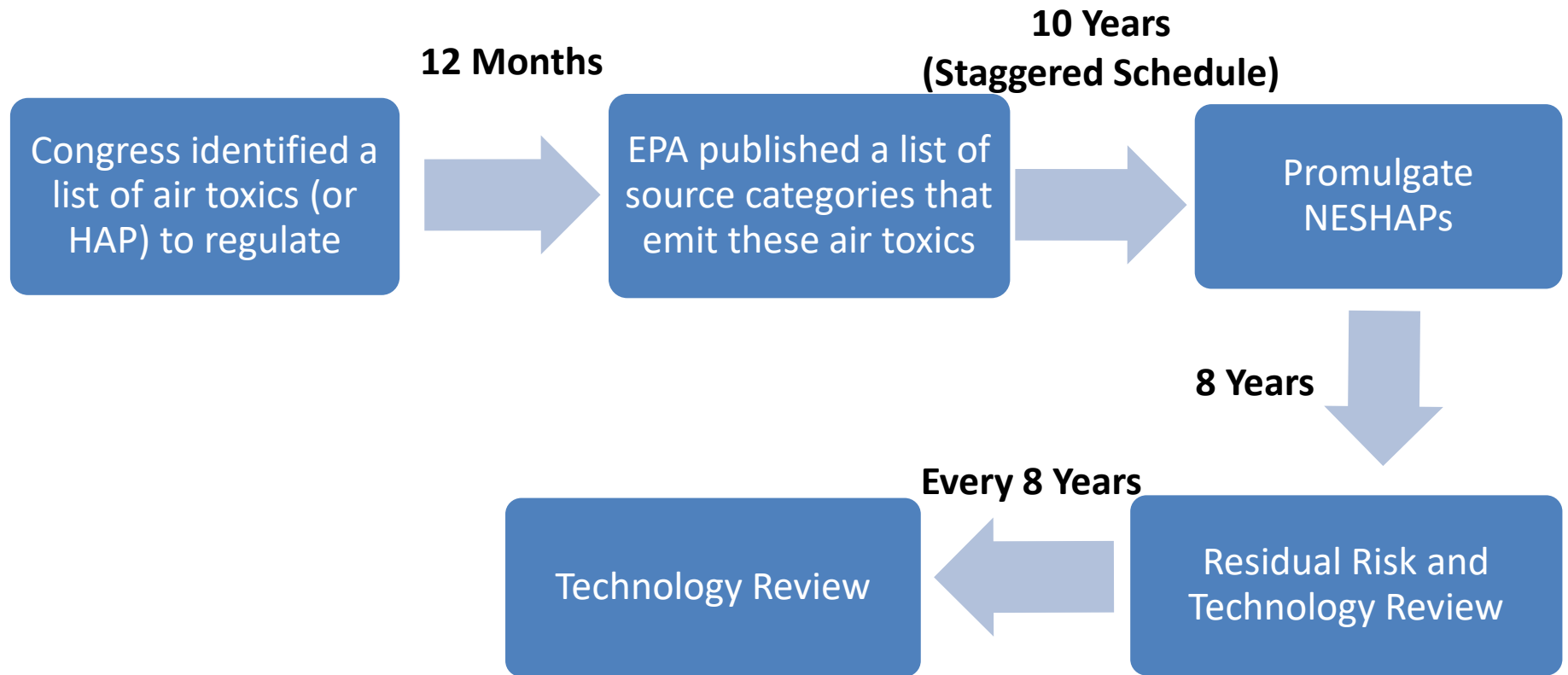
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CAA Section 112 Rulemaking



Technology Review Overview

- ▶ Clean Air Act Section 112(d)(6) states: The Administrator shall review, and revise as necessary (taking into account developments in practices, processes and control technologies), emissions standards promulgated under this section
- ▶ In practice, EPA evaluates the performance of demonstrated methods of reducing hazardous air pollutant emissions and determines whether existing standards should be strengthened
- ▶ The technology review is conducted for all emission points subject to MACT standards

Developments in Practices, Processes and Control Technologies

- ▶ “End-of-pipe” controls, process changes, raw material changes or other operational changes being used in the industry that were not considered during development of original standard
- ▶ Demonstrated improvements in control measures that serve as the basis of the current MACT standards
- ▶ Changes in control measures considered but not adopted as basis of current standard.
 - ▶ May include changes in performance, cost, commercial availability and/or feasibility

Information Sources

- ▶ Information gathered for original rulemaking
- ▶ Information Collection Requests and site visits
- ▶ EPA's RACT/BACT/LAER Clearinghouse:
<http://cfpub.epa.gov/rblc/>
- ▶ Trade Associations
- ▶ Other recent regulations for similar categories
- ▶ State and local regulations

Technology Review Analyses

- ▶ Evaluate environmental performance of demonstrated control options
- ▶ Evaluate feasibility across source category
- ▶ Evaluate costs and cost-effectiveness of demonstrated control options
- ▶ Evaluate economics and secondary impacts (emissions increases from power needed to run controls, solid waste impacts and other impacts)

Sources of Cost Information

- ▶ EPA Air Pollution Control Cost Manual
- ▶ EPA Clean Air Technology Center Website
- ▶ Information Collection Requests
- ▶ Previous EPA rulemakings
- ▶ Trade Journals

Other Considerations

- ▶ The technology review is part of a notice and comment rulemaking, where EPA develops a proposal considering available information and stakeholder input, publishes the proposal in the Federal Register and finalizes the rule after consideration of comments received on the proposal
 - ▶ We solicit feedback on all aspects of the technology review, including costs, performance and feasibility of control methods
 - ▶ We consider and respond to all public comment as part of the decision-making process for the final rule

For questions, contact:

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