



AB 2588 Air Toxics Hot Spots Program

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Overview

1. An Overview of the AB 2588 Program:

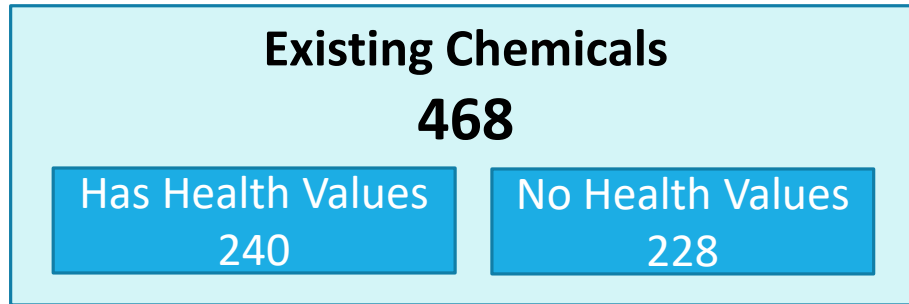
- Background
- Requirements and Process
- Benefits of the Program

2. Proposed Rule Amendment:

- Proposed Updates
- List of Toxic Chemicals and Selection Criteria
- Seeking SRP's Input
- Timeline

Toxics Hot Spots Program

- Identifies chemicals with potential risks
- Informs locations, usage, and emissions
- Provides basis for OEHHA setting priorities for which specific chemicals to pursue in quantification of health effects

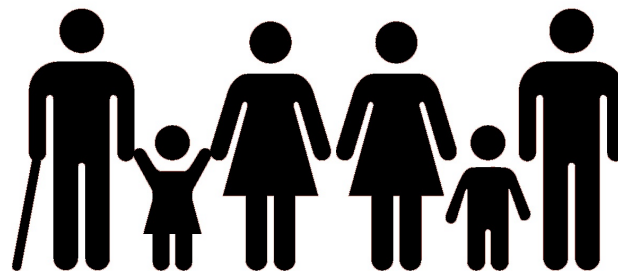


1. An Overview of the AB 2588 Program

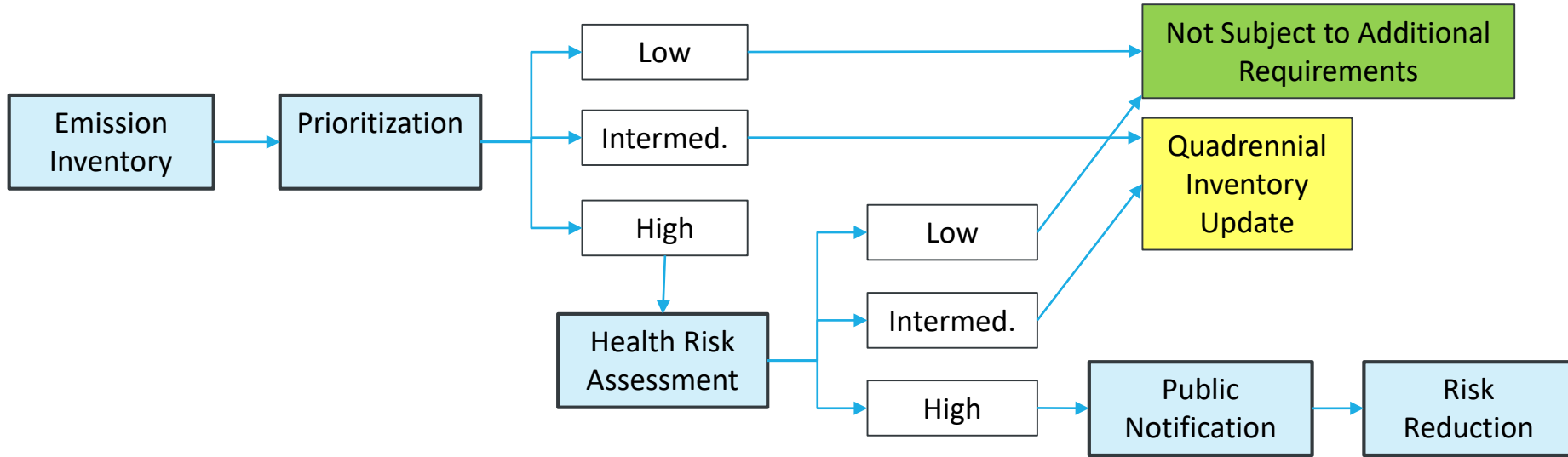
Background

Air Toxics “Hot Spots” Information & Assessment Act of 1987 (AB 2588) and the 1992 Amendment

- Public concern about potentially significant exposure to air toxics and health risks
- A process was created to:
 - Collect emission data
 - Identify facilities having localized impacts
 - Assess health risks



AB 2588 Process



Other AB 2588 Requirements

- **CARB:**

- makes emission data collected under AB 2588 available to the public
- maintains a list of chemicals that pose chronic or acute health threats when present in the air

- **OEHHA:**

- reviews health risk assessments, and prepares risk guidelines
- develops health values

- **Local Air Districts:**

- makes health risk assessments available for public review
- publishes annual reports

Benefits of the Program

- Reduce public health risk
- Inform setting priorities for toxics regulatory development
- Locations of sources
- Voluntary reductions by facilities
- Public right-to-know

2. Proposed Rule Amendment

Proposed Updates to the Toxics Hot Spots Emission Inventory Criteria and Guidelines (EICG)



- Update list of toxic chemicals
- Update the crosswalk between emission source and toxic substances
- Update the inclusion thresholds for small toxics sectors (<10 tons/year criteria pollutants)
- Update incorporated references (e.g., test methods, OEHHA guidelines, CAPCOA guidelines, and modeling methods)

List of Toxic Chemicals

- AB 2588 statute requires CARB to review 6 lists to develop chemical list:
 - CARB's Toxic Air Contaminants (TACs)
 - US Environmental Protection Agency's Hazardous Air Pollutants (HAPs)
 - International Agency for Research on Cancer (IARC) list
 - Proposition 65 list
 - US Dept. of Health & Human Services National Toxicology Program (NTP) list
 - CA Dept. of Public Health's Hazard Evaluation System and Information Service (HESIS) publications
- CARB also can consider additional substances that may present a chronic or acute threat to public health

List of Toxic Chemicals (cont.)

- The Toxic Hot Spots EICG organizes chemicals into 3 lists:
 1. Substances for Which Emissions Must be Quantified (Appendix A-I)
 2. Substances for Which Production, Use or Other Presence Must be Reported (Appendix A-II)
 3. Substances Which Need Not be Reported Unless Manufactured by the Facility (e.g., pharmaceuticals) (Appendix A-III)

Selection Criteria

1. Can the substance be airborne and be present in California?

- The chemical structure and properties (e.g., molecular weight and number of carbons) help identify a substance's potential to be airborne.

2. What is the potential toxicity?

- Cancer and non-cancer (chronic and acute)
- Special focus on carcinogen, multipathway toxins, and persistent bioaccumulative toxics (PBTs)

Current Status

- Chemical and functional group evaluation
- Working with partners:
 - OEHHA
 - DPR
 - Local Air Districts

Staff has reviewed 1366 chemicals to date	
AB 2588 Chemical List Review	Count*
Adding to the <i>Emissions Must be Quantified</i> List	449
Individual chemicals	282
Adding to existing groupings	100
Under new groupings	67
Adding to the <i>Report Production/Use/Presence</i> List	5
Adding to the <i>Report If Manufactured by Facility</i> List**	156
Misc. updates to existing chemicals	20
Pending review	64
Reviewed, but won't be added to the lists	672

* Counts of chemicals may be updated in the future as staff continues to make progress on chemical review and receives input during the upcoming public outreach process.

** Nearly all chemicals are pharmaceuticals.

Seeking SRP's Input

- Staff is seeking SRP's input on the chemical list review:
 - Is the list complete?
 - Are there other toxic chemicals that we are missing?
 - Do you have input on the way that we are currently categorizing and grouping chemicals?
- Next Steps:
 - August: complete draft chemical list
 - October 4 Meeting: SRP provides staff with input

Anticipated Rulemaking Timeline

- Late 2019: Public workshop
- 2020: Anticipated CARB board hearing



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AB 2588 Program Homepage: <https://www.arb.ca.gov/ab2588/ab2588.htm>

EICG: <https://www.arb.ca.gov/ab2588/2588guid.htm>