



Chemicals in Consumer Products: Exposure Science at the Forefront of Chemical Regulations

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Department of Toxic Substances Control

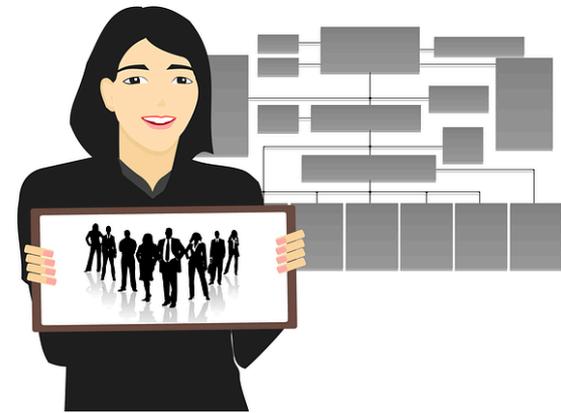


Cal/EPA

Disclaimer

Opinions presented today are those of the presenter.

The policy approach of the DTSC
Safer Products & Workplaces
Program continues to evolve
through stakeholder input and
ongoing policy review.



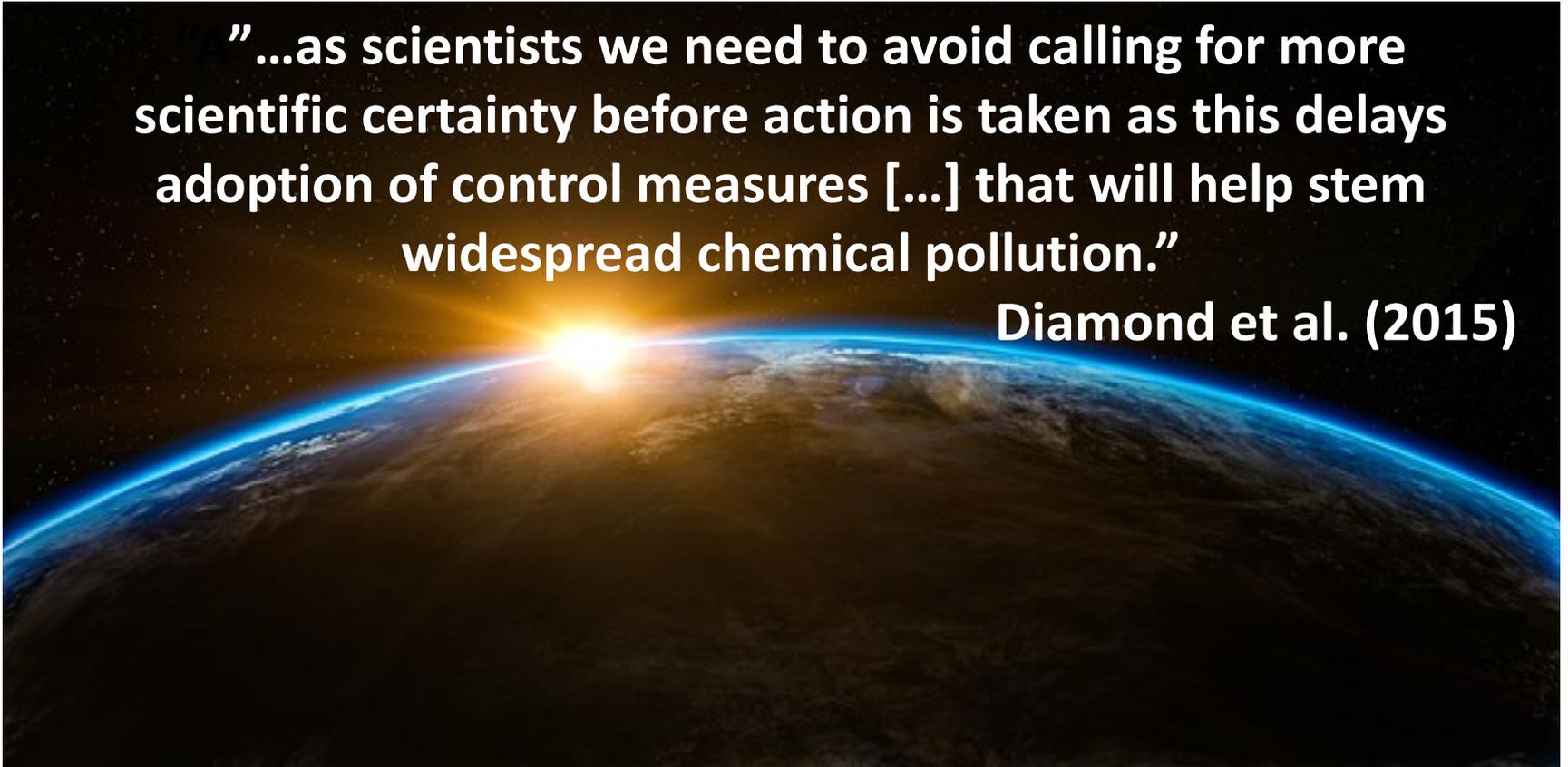
Therefore, what you hear today may not represent a final position, policy or approach of the Department.



Planetary Boundary for Chemical Pollution

“...as scientists we need to avoid calling for more scientific certainty before action is taken as this delays adoption of control measures [...] that will help stem widespread chemical pollution.”

Diamond et al. (2015)



A Legislative Whack-a-Mole?



California's Authorities on Toxics in Products

- Toxics in packaging
- Lead and arsenic containing jewelry
- Lead in plumbing
- Lead wheel weights
- General purpose lights
- Electronic devices
- Mercury containing devices
- Copper Brake Pads
- Safer Consumer Products



Safer Consumer Products (SCP) Branch

Vision

Products are made with chemicals that are safe for people and the environment.

Mission

To advance the design, development, and use of products that are chemically safer for people and the environment.



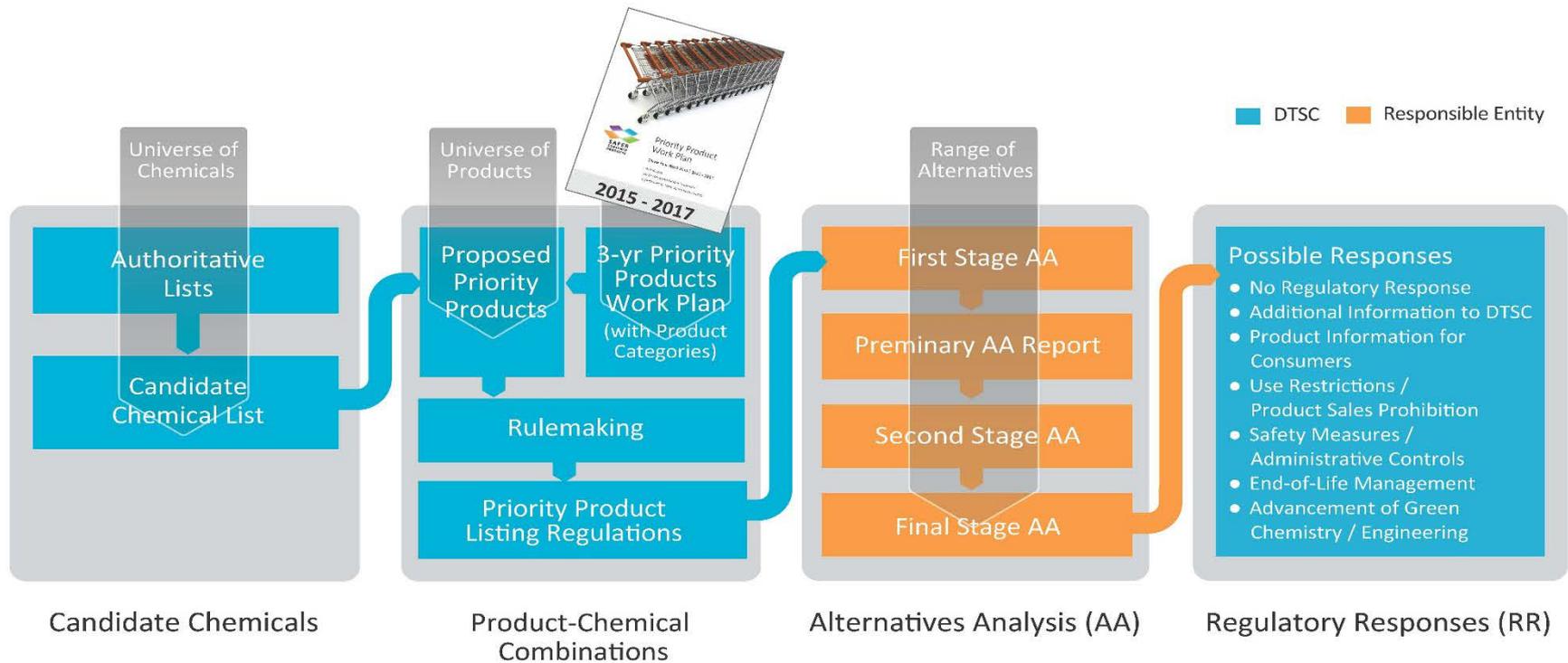
SCP Foundational Questions

Is it necessary?

Is there a safer alternative?



The Safer Consumer Products Framework



Responsibility Placed on Producers/Importers



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2007-2017: California's Approach



Green
Chemistry
Report

2008
Statutory
Authority

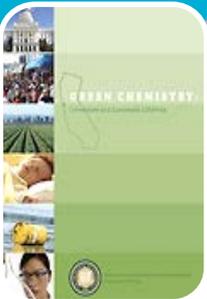
2010
Draft
Regulations

2013
Safer
Consumer
Products
Regulations

2014
Draft
Initial
Priority
Products

2015
Three Year
Work Plan

2017
Alternatives
Analysis
Guide
Product
listings



Initial Priority Products

1. Children's Foam-padded Sleeping Products containing TDCPP and TCEP – effective July 1, 2017



2. Next...Spray Polyurethane Foam Systems with MDI



3. Paint Strippers containing Methylene Chloride



2015 – 2017 Priority Product Work Plan



Building Products



Household/
Office
Furniture &
Furnishings



Cleaning
Products



Office
Machinery
(Consumable
Products)



Fishing
and
Angling
Equipment



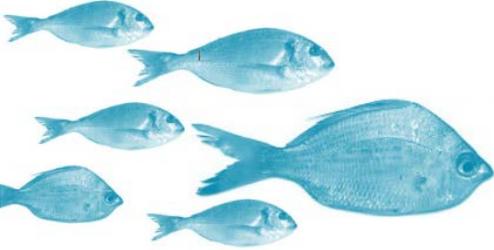
Beauty,
Personal
Care, and
Hygiene
Products



Clothing



Potential Future Priority Products



Work Plan Implementation:
Potential Aquatic Impacts and Continued Uses of Nonylphenol, Ethoxylates and Triclosan
NOVEMBER 15, 2016



Potential Health and Safety Impacts of Chemicals in Nail Products
NOVEMBER 15, 2016



Work Plan Implementation:
Perfluoroalkyl and Polyfluoroalkyl Substances (PFASs) in Carpets, Rugs, Upholstered Furniture, and their Care and Treatment Products
NOVEMBER 15, 2016



And...



Selecting Product-Chemical Combinations



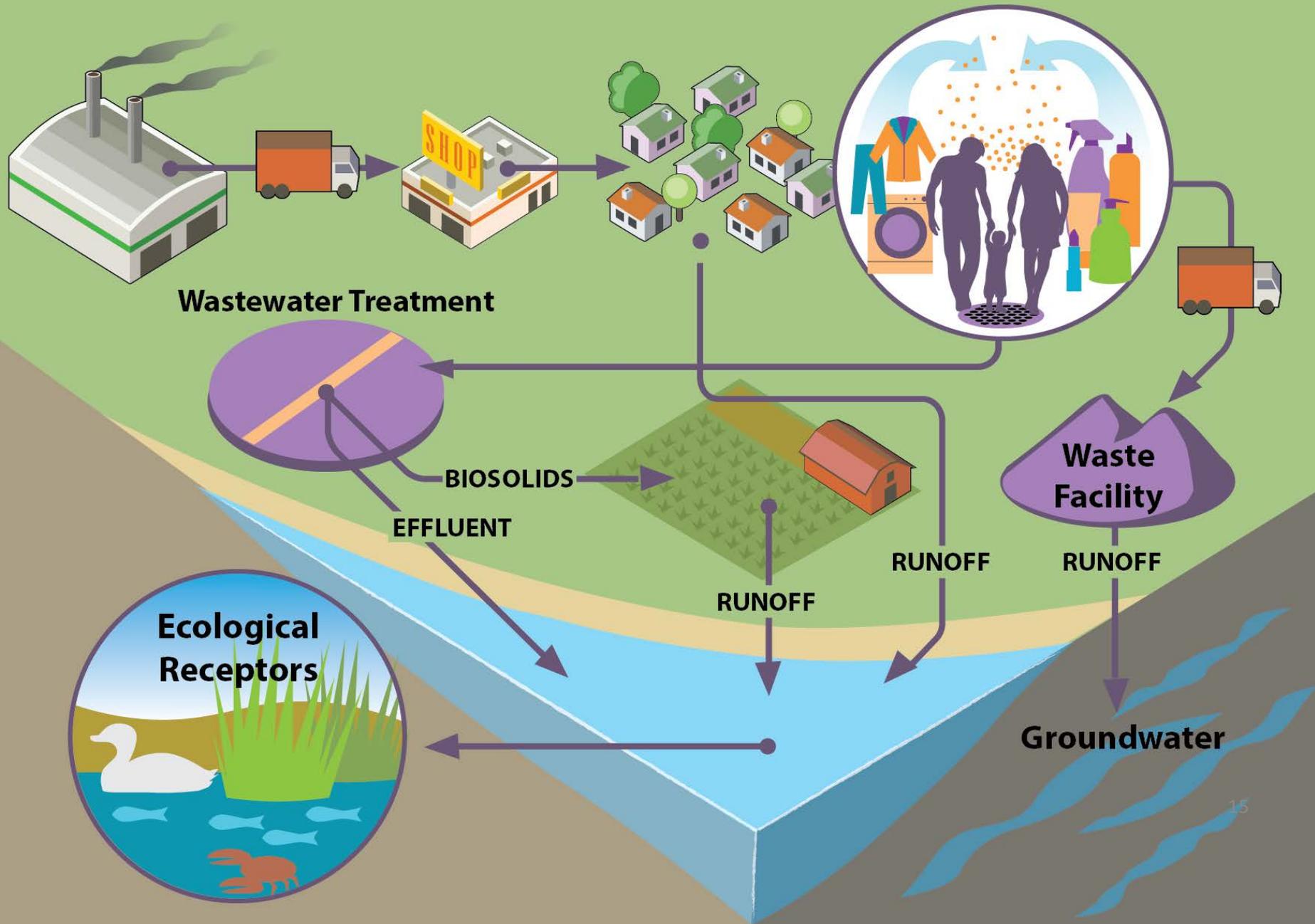
Prioritization Principles

Potential **exposure** to the Candidate Chemicals in the product

AND

Potential for exposures to contribute to or cause **significant or widespread adverse impacts**





From Work Plan to Priority Products

Step 0: Candidate Chemicals list and Work Plan

Step 1: Chemical scoping

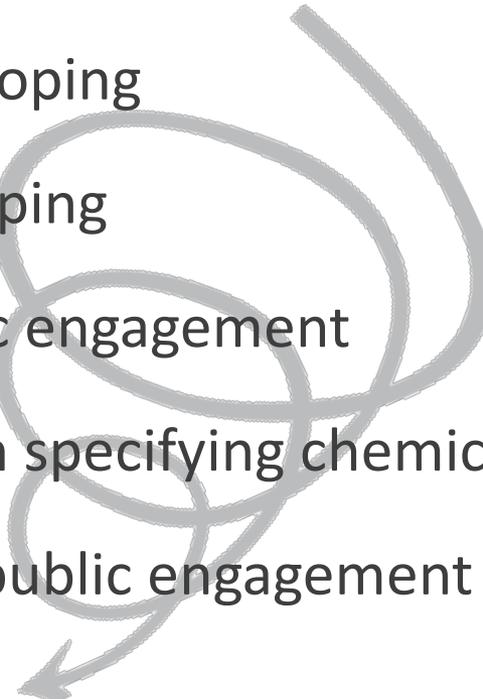
Step 2: Product scoping

Step 3: Initial public engagement

Step 4: Research on specifying chemical-product combinations

Step 5: Additional public engagement

Step 6: Rulemaking



Just Learning to Swim



The Challenges of Decision-Making

- Uniqueness and complexity of the regs
- Regulatory framework vs. traditional expertise
- Understanding potential exposures
- Balance of science and policy priorities



So... How Can You Help?

- Join our [E-List](#)
- Attend our workshops
- Gather and share epidemiological, biomonitoring, or exposure data related to consumer products
- Nominate product categories or potential Priority Products
- Submit a petition



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Thank
you!

