

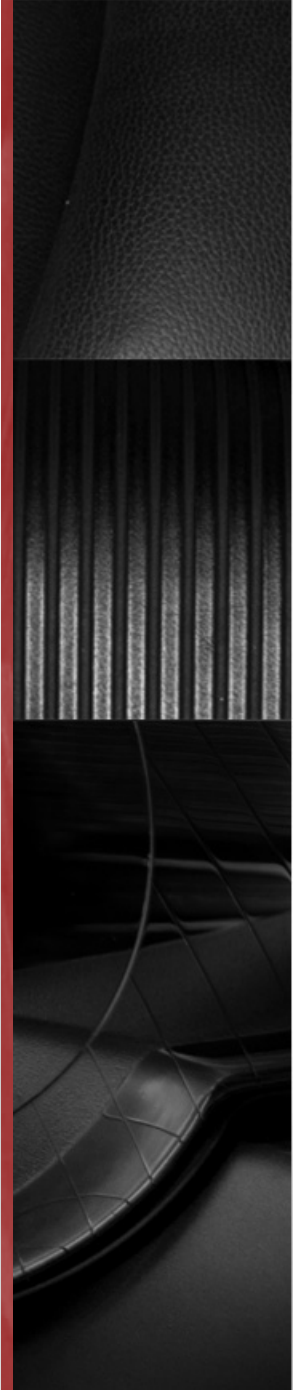
California Brake Pad Law

May 30, 2019

Melissa Salinas



Department of Toxic Substances Control



A pair of disc brake pads. Flecks of copper can be seen in the upper pad, while the lower pad is copper-free.



California Brake Pad Law

2010
SB 346

2014

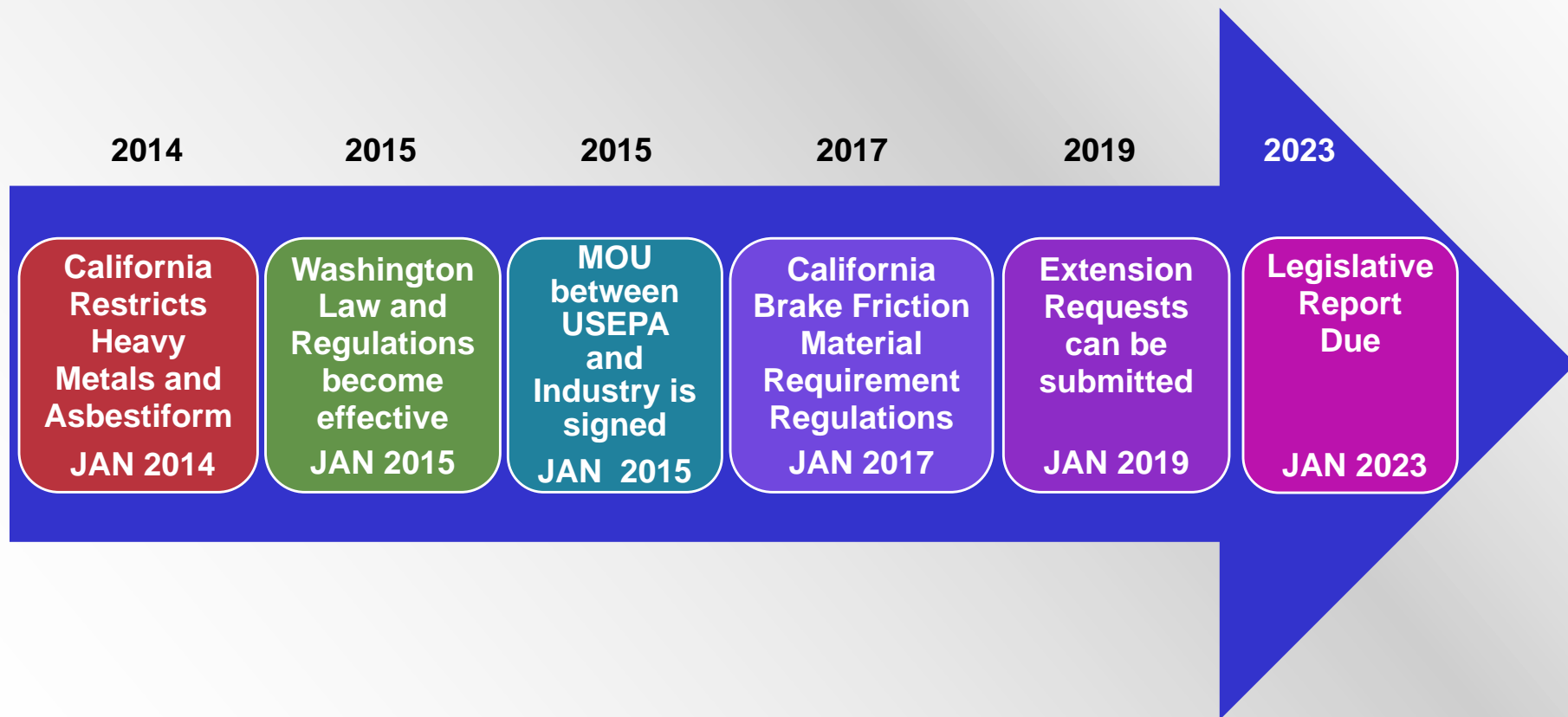
Cd, Cr VI, Hg, Pb,
Abestiform fibers

De Minimis

2021
Copper
5.0% wt

2025
Copper
0.5% wt

Milestones



Brake Friction Materials Requirements

- Laboratory testing
- Mark Proof of Certification
- Testing Certification



Marked Proof of Certification

- Unique identification code and compliance marking

(example) SCB 115 FF 1660 A16

- Certification mark (example)



2014



2021



2025



Extensions

- Applicable to the January 1, 2025 requirements
- May request 1, 2 or 3 year
- Not based on brake friction material formulation
- Fee for each extension application
- DTSC consultation with SWRCB & ARB
- Advisory committee decision



Exemptions

- Military tactical support vehicles
- Vehicles with fully contained braking systems
- Brakes designed specifically for holding a vehicle stationary
- Motorcycles
- Vehicles manufactured before January 1, 2021*
- Vehicles manufactured before January 1, 2025*



Legislative Report

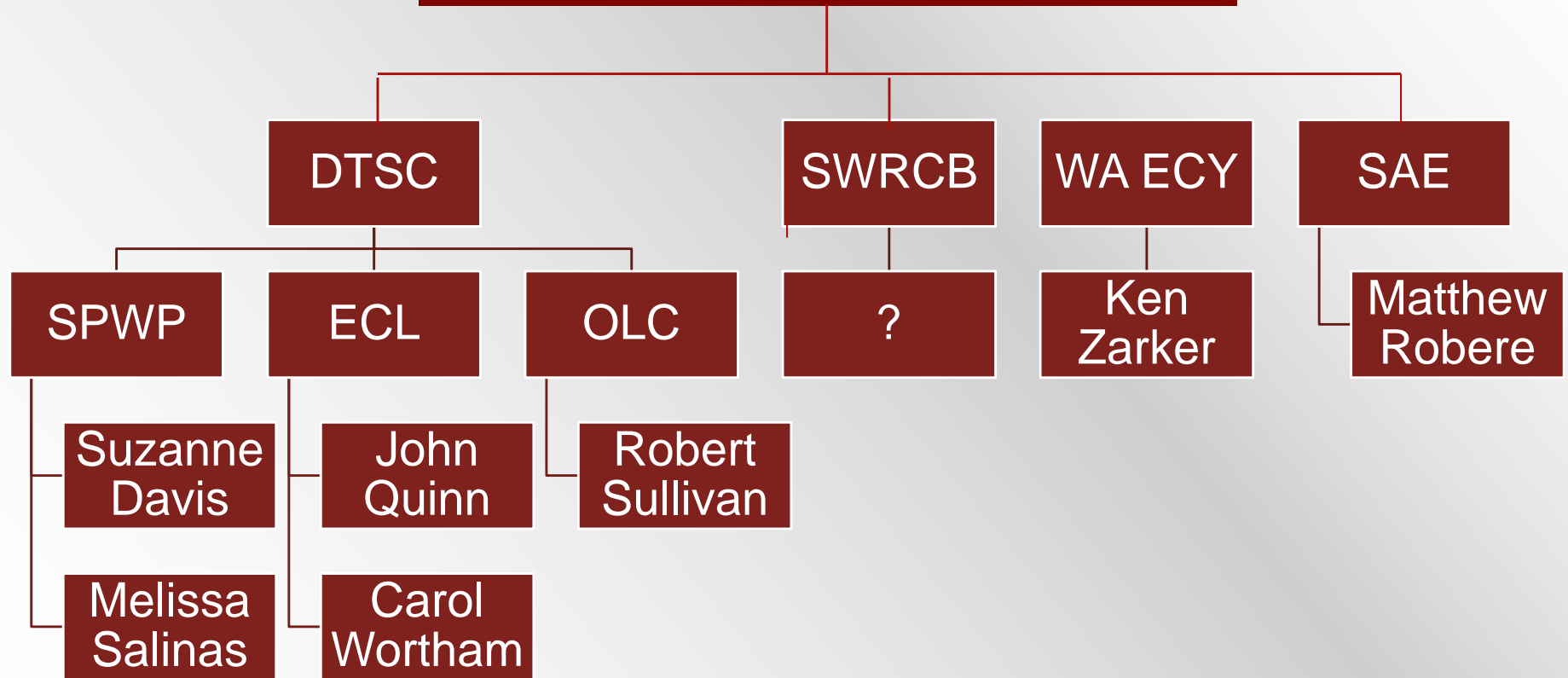
- DTSC & SWRCB collaborative effort
- Due on January 1, 2023 to Governor and Legislature
- Copper in brake pads reduction efforts
- Progress in meeting copper TMDLs in California water bodies
- Recommend actions necessary to meet copper TMDLs



Data Recommendations

- Does the necessary data currently exist somewhere?
- Is it possible to develop baseline data from existing data?
- Can the necessary data be collected in ongoing surface water monitoring?

Brake Pad Project Team





Brake Pad Work Group

- Work Group Members anticipated to consist of:
 - Brake Pad Project Team
 - Other interested agencies and stakeholders
- Goals of the Work Group
 - Identify data & methodologies currently available
 - Identify data gaps & other potential actions to reduce copper TMDLS



Brake Pad Work Group Tentative Schedule

- June 2019 – Contact potential members
- August 2019 – Initial meeting
- Early December 2019?
- Spring 2020
- Summer 2020



Questions?

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