

San Diego County Air Pollution Control District (District)



San Diego County
**Air Pollution
Control District**

California Commercial Asphalt LLC Public Meeting

March 29, 2022

Meeting Agenda



San Diego County
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SDAPCD

Purpose of this meeting

Air Toxics and the “Hot Spots” Program

Facility operation, emissions, and health risk for 2015 emissions

Next Steps (Risk Reduction Plan)

Public Comment

Receive public comments

Answer questions

SDAPCD staff and CCA staff

California Air Toxics “Hot Spots” Program (Assembly Bill 2588)



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Program Goal

- Protects the public’s right to know by requiring notifications about toxic air contaminant emissions and how these emissions can potentially impact public health; and,
- Requires health risk reductions for facilities with elevated health risks

Toxic Air Contaminants

- Chemicals emitted into the atmosphere that may cause adverse health effects

Adverse Health Effect

- Range from minor eye or throat irritation, shortness of breath, or headaches, to cancer, birth defects, or damage to organs

California Air Toxics “Hot Spots” Program



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**Quantify Toxic
Air Contaminant
Emissions**

**Identify Facilities
that may Present
Public Health
Concerns**

**Request Health
Risk
Assessments –
Review and
Approve**

**Implement
Public
Notification and
Risk Reduction
Requirements**

Air Toxics “Hot Spots” Program Health Risks



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Cancer Risk

Calculates the probability that a person would contract cancer if exposed to emissions for 30 years

Health Hazard Index

Calculated for acute exposure (or short-term health impacts) and chronic exposure (or long-term health impacts)

Index < 1 → no adverse health effects

Index ≥ 1 → potential for adverse health effects

Cancer Burden

Estimates of the number of people that can contract cancer within a community that is exposed to the emission levels

Public Notification and Risk Reduction Thresholds



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Health Risk	Public Notification Threshold	Risk Reduction Threshold
Cancer Risk	10 in one million	10 in one million (100 in one million for emissions prior to CY 2018)
Acute Noncancer Health Hazard Index	1.0	1.0
Chronic Noncancer Health Hazard Index	1.0	1.0
Cancer Burden	1.0	1.0

California Commercial Asphalt



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- Hot Mix Asphalt Facility
- 12451 Vigilante Road, Lakeside



California Commercial Asphalt Equipment



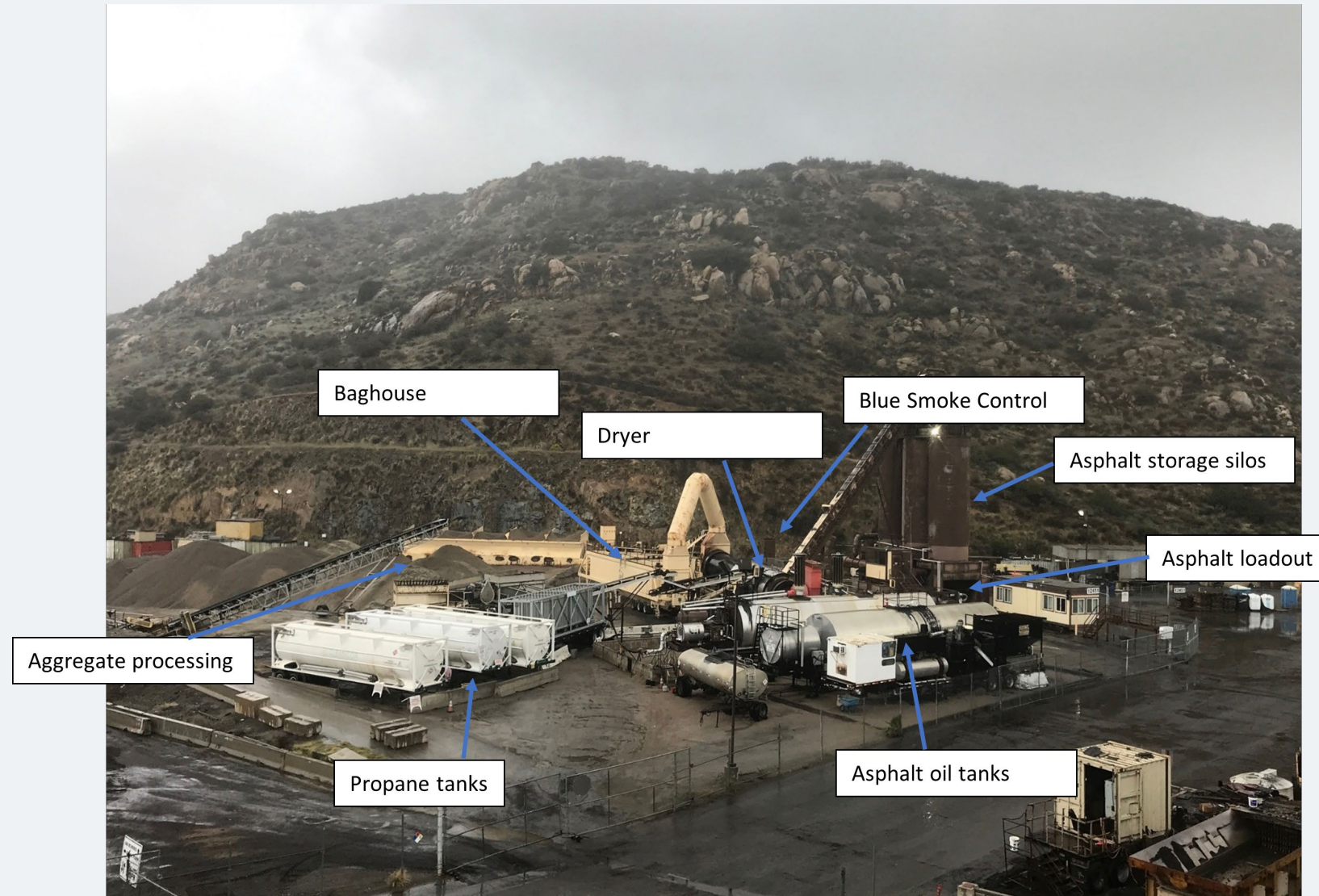
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California Commercial Asphalt Equipment



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Elevated Health Risks

Calif. Comm. Asphalt 2015 Emissio



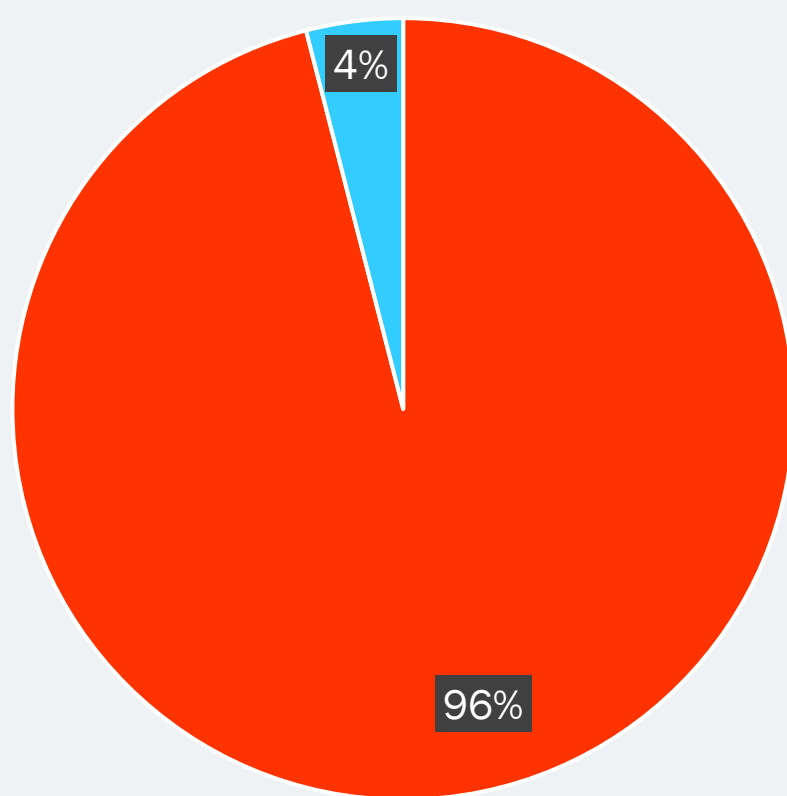
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Health Risk	HRA Results	Risk Notification Thresholds	Risk Reduction Thresholds
Maximum Residential Acute Health Hazard Index	1.10	1.0	1.0
Maximum Worker Acute Health Hazard Index	1.08	1.0	1.0

Emission Contributions Residential Acute Non-Cancer Health Hazard Index of 1.10



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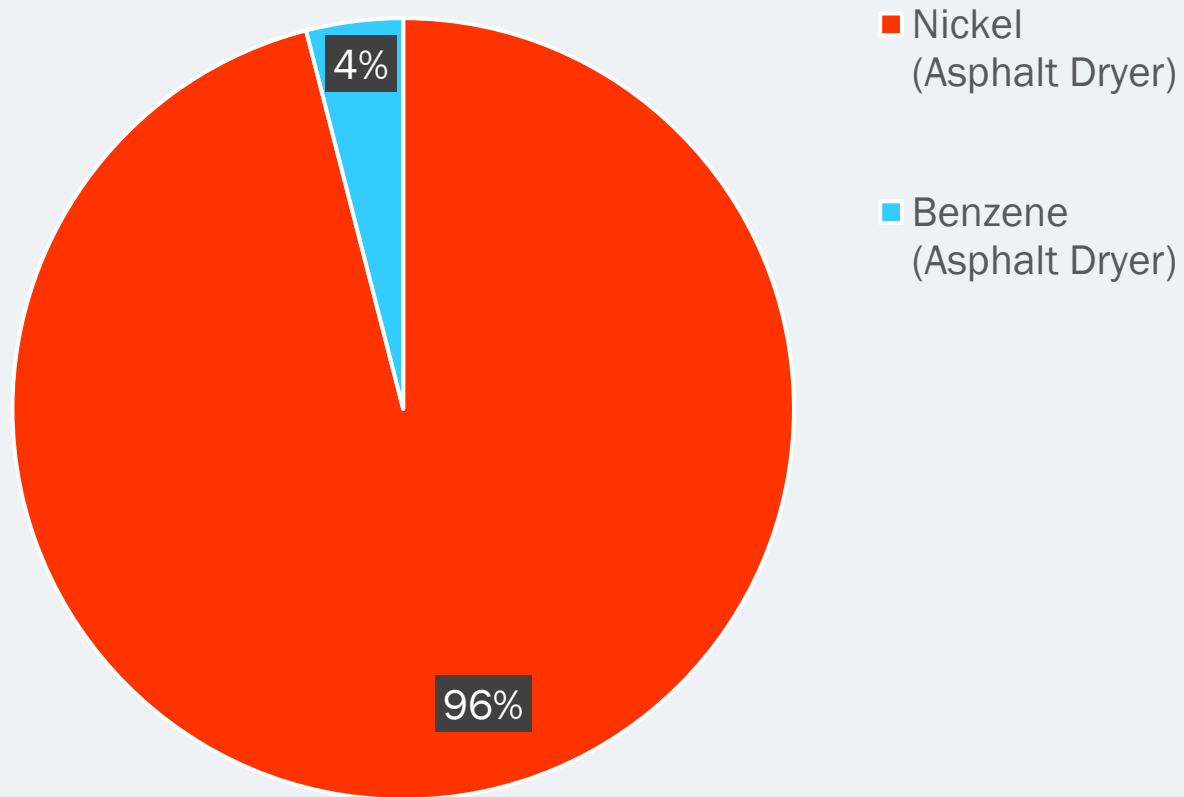
- Nickel
(Asphalt Dryer)
- Benzene
(Asphalt Dryer)



Emission Contributions Worker Acute Non-Cancer Health Hazard Index of 1.08



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Next Steps

CCA to submit risk reduction plan by May 31, 2022

Public notice of risk reduction plan

Consider public comments

Review and take final action on risk reduction plan for 2015 emissions

Evaluate and approve HRA based on 2019 emissions