California Commercial Asphalt LLC Public Meeting

March 29, 2022
Meeting Agenda

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)

SDAPCD

Receive public comments
Answer questions
SDAPCD staff and CCA staff
California Air Toxics “Hot Spots” Program (Assembly Bill 2588)

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

- 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

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
<table>
<thead>
<tr>
<th>Health Risk</th>
<th>Public Notification Threshold</th>
<th>Risk Reduction Threshold</th>
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</thead>
<tbody>
<tr>
<td>Cancer Risk</td>
<td>10 in one million</td>
<td>10 in one million (100 in one million for emissions prior to CY 2018)</td>
</tr>
<tr>
<td>Acute Noncancer Health Hazard Index</td>
<td>1.0</td>
<td>1.0</td>
</tr>
<tr>
<td>Chronic Noncancer Health Hazard Index</td>
<td>1.0</td>
<td>1.0</td>
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<tr>
<td>Cancer Burden</td>
<td>1.0</td>
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California Commercial Asphalt

- Hot Mix Asphalt Facility
- 12451 Vigilante Road, Lakeside
California Commercial Asphalt Equipment
## Elevated Health Risks

**Calif. Comm. Asphalt 2015 Emissions**

<table>
<thead>
<tr>
<th>Health Risk</th>
<th>HRA Results</th>
<th>Risk Notification Thresholds</th>
<th>Risk Reduction Thresholds</th>
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</thead>
<tbody>
<tr>
<td>Maximum Residential Acute Health Hazard Index</td>
<td>1.10</td>
<td>1.0</td>
<td>1.0</td>
</tr>
<tr>
<td>Maximum Worker Acute Health Hazard Index</td>
<td>1.08</td>
<td>1.0</td>
<td>1.0</td>
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</tbody>
</table>
Emission Contributions Residential Acute Non-Cancer Health Hazard Index of 1.10

- Nickel (Asphalt Dryer): 4%
- Benzene (Asphalt Dryer): 96%
Emission Contributions Worker Acute Non-Cancer Health Hazard Index of 1.08

- 96% Nickel (Asphalt Dryer)
- 4% Benzene (Asphalt Dryer)
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