Meeting Agenda

Purpose of this meeting
Air Toxics and the “Hot Spots” Program
Facility operation, emissions, and health risk for 2019 emissions
Next Steps

SDAPCD

Receive public comments
Answer questions
SDAPCD staff and SRM staff

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

#### Program Goal
- Protects the public’s right to know 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
<table>
<thead>
<tr>
<th><strong>Cancer Risk</strong></th>
<th>Calculates the probability that a person would contract cancer if exposed to emissions for 30 years</th>
</tr>
</thead>
</table>
| **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 |
<p>| <strong>Cancer Burden</strong> | Estimates of the number of people that can contract cancer within a community that is exposed to the emission levels |</p>
<table>
<thead>
<tr>
<th>Health Risk</th>
<th>Public Notification Threshold</th>
<th>Risk Reduction Threshold</th>
</tr>
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<tr>
<td>Cancer Risk</td>
<td>10 in one million</td>
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<td>Acute Noncancer Health Hazard Index</td>
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<td>Chronic Noncancer Health Hazard Index</td>
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## Rule 1210 Public Notification and Risk Reduction Thresholds

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</tr>
<tr>
<td>Potential Health Risks from a Single Source of Air Pollution</td>
<td>No</td>
<td></td>
</tr>
<tr>
<td>------------------------------------------------------------</td>
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<td></td>
</tr>
<tr>
<td>Potential Health Risks from ALL Sources of Air Pollution</td>
<td>Yes</td>
<td></td>
</tr>
</tbody>
</table>
SRM – Escondido Asphalt

- Asphalt Plant
- 500 N Tulip Street, Escondido
SRM Equipment

- Asphalt Tanks & Blue Smoke Control System
- Aggregate Storage
- Asphalt Feed Aggregate
- Asphalt Plant Baghouse Stack
- Recycle Material Storage
- Recycle Crush Plant
- Haul Road
## Elevated Health Risk
### SRM 2019 Emissions

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

- Nickel (Asphalt Plant): 4%
- Benzene (Asphalt Plant): 96%
Calculated Health Risks

Health Risks are Determined Based on where a Person may be exposed

• Residence
• Workplace
• School, Public Park, Library, etc.

Health Risks are also Calculated at the Point of Maximum Impact (PMI)

• Location with the highest risk, that is not a residence, workplace, school, public park, library, etc. For example, in the middle of the ocean or river
• Not used to determine public notification or risk reduction requirements
Next Steps

- Risk Reduction Plan previously submitted, approved by the District, and implemented by SRM
- District to review and approved SRM – Escondido Asphalt’s 2023 emission inventory
- Determine if a HRA for 2023 emissions is required
- Sign up for District Updates to receive notices at https://bit.ly/3JTGsre