Meeting Agenda

Purpose of this meeting
Air Toxics and the “Hot Spots” Program
Facility operation, emissions, and health risk for 2015 and 2019 emissions
Next Steps (Risk Reduction Plan)

SDAPCD

Receive public comments
Answer questions
SDAPCD staff and Hanson staff

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

Goal:
Identify Stationary Sources that can Create Elevated Health Risks

Requirements:
- Public Notification
- Risk Reduction
Air Toxics “Hot Spots” Program Public Notifications

- Potential Health Risks from a Single Source of Air Pollution: Yes
- Potential Health Risks from ALL Sources of Air Pollution: No
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 negative health effects
- Index ≥ 1 → potential for negative health effects

**Cancer Burden**
Estimates of the number of people that can contract cancer within a community that is exposed to the emission levels
## Rule 1210 Public Notification and Risk Reduction Thresholds

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# Elevated Health Risk

**Hanson Aggregates’ 2019 Emissions**

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<td>Maximum Residential Cancer Risk</td>
<td>14.7</td>
<td>10</td>
<td>10</td>
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<td>Maximum Worker Cancer Risk</td>
<td>19.7</td>
<td>10</td>
<td>10</td>
</tr>
<tr>
<td>Maximum Worker Non-Cancer Chronic Health Hazard Index</td>
<td>8.3</td>
<td>1.0</td>
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Hanson Aggregates

• Aggregate mining and processing
• 8514 Mast Blvd, Santee
Hanson Aggregates’ Equipment

Screening Plant

Stockpiles

Quarrying

Haul Roads

Crushing and Screening Plant
Emission Contributions to Residential Cancer Risk of 14.7 in One Million

- Arsenic (Haul Roads, Aggregate Screening): 96%
- Other: 4%

Map showing locations of emission sources.
Emission Contributions to Residential Cancer Risk of 14.7 in One Million
Emission Contributions to Worker Cancer Risk of 19.7 in One Million

- Arsenic (Haul Roads) 3%
- Nickel (Haul Roads) 4%
- Cadmium (Haul Roads) 3%
- Other 2%
- Other 91%
Emission Contributions Worker Chronic non-Cancer Health Hazard Index of 8.3

- Arsenic (Haul Roads): 81%
- Silica (Haul Roads): 16%
- Other: 3%
Next Steps

- Hanson to submit a risk reduction plan (RRP, due January 29, 2023), and District to post the RRP for Public Review and Comment
- After considering public comments, District to complete review and final approval/disapproval of the RRP
- Hanson will conduct annual notifications
- District to review and approve Hanson’s 2021 emission inventory and determine if a HRA is required
- Sign up for District Updates to receive notices at https://bit.ly/SDAPCD-Updates