Vulcan produces its products safely and with concern for public health, the environment, and pollution prevention.

Vulcan provides our employees and the communities that we work in with a healthy and safe environment.

Vulcan engages in the process of continuous improvement by periodically setting health, safety, and environmental targets and objectives and by constantly reviewing progress and achievement.

Contact:
Barbara Goodrich-Welk
Manager, Government & Community Affairs
858-349-8116  |  goodrich-welkb@vmcmail.com
Background
Air Toxics “Hot Spots” Program

Goal
Identify Stationary Sources that can Create Elevated Health Risks

Requirements
- Public Notification
- Risk Reduction

“Hot Spots” Program
Background
Air Toxics “Hot Spots” Program

Health Risk Assessment
- As required by State law, Vulcan conducted a Health Risk Assessment based on emissions that occurred in 2019

Approval
- State law requires the District and the Office of Environmental Health Hazard Assessment (OEHHA) to review and approve Health Risk Assessments conducted by facilities subject to the Hot Spots Program

Requirements
- Based on the approved Health Risk Assessment, Vulcan was required to conduct public notification and submit a risk reduction plan to the District
**Elevated Health Risks Vulcan’s 2019 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 Worker Chronic Health Hazard Index</td>
<td>1.91</td>
<td>1.0</td>
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<tr>
<td>Maximum Worker Acute Health Hazard Index</td>
<td>1.18</td>
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</tbody>
</table>
Vulcan Materials Company

- Asphalt Batch Plant
- 7522 Paseo De La Fuente
  San Diego, CA 92154
Vulcan’s Equipment

North

Asphalt Dryer Stack

Aggregate Storage

Asphalt Plant Screens

Raw Asphalt Storage

Asphalt Storage & Loadout

Asphalt Recycle Plant

Recycled Asphalt for Crushing

Crushed Recycled Asphalt

NASSCO Equipment

Vulcan’s Equipment

North

Recycled Asphalt for Crushing

Crushed Recycled Asphalt

Asphalt Dryer Stack

Aggregate Storage

Asphalt Plant Screens

Raw Asphalt Storage

Asphalt Storage & Loadout
Emission Contributions
Worker Chronic Health Hazard Index 1.91

- Arsenic (Haul Roads, Storage Piles)
- Silica (Haul Roads, Storage Piles)
- Nickel (Haul Roads, Asphalt Dryer Stack, Storage Piles)
Emission Contributions
Worker Acute Health Hazard Index 1.18

- Nickel (Asphalt Dryer Stack, Storage Piles, Haul Roads) 2%
- Benzene (Asphalt Dryer Stack, Engine) 98%
Vulcan’s Risk Reduction Plan

October 2022

- Plan was submitted to the District, with proposes to:
  - Improve fugitive dust capture
  - Install better filter on asphalt plant baghouse

Current Status

- Vulcan has been requested to analyze the use and impacts of additional equipment that may be used on-site in their risk reduction plan
Vulcan submitted a risk reduction plan on October 3, 2022

Vulcan and the District will continue to work to finalize and implement the risk reduction plan

Annual notifications will continue until the risks are below the notification thresholds

Vulcan will be re-evaluated in the hot spots program every four years with the next toxics emissions inventory for the 2023 emissions year
Stay Informed

Sign up for District Updates
• https://bit.ly/SDAPCD-Updates

Visit District Hot Spots Page
• https://sdapcd.org/hotspots