



Vulcan

Materials Company



Vulcan Materials Company

- 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:
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Manager, Government & Community Affairs
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San Diego County Air Pollution Control District

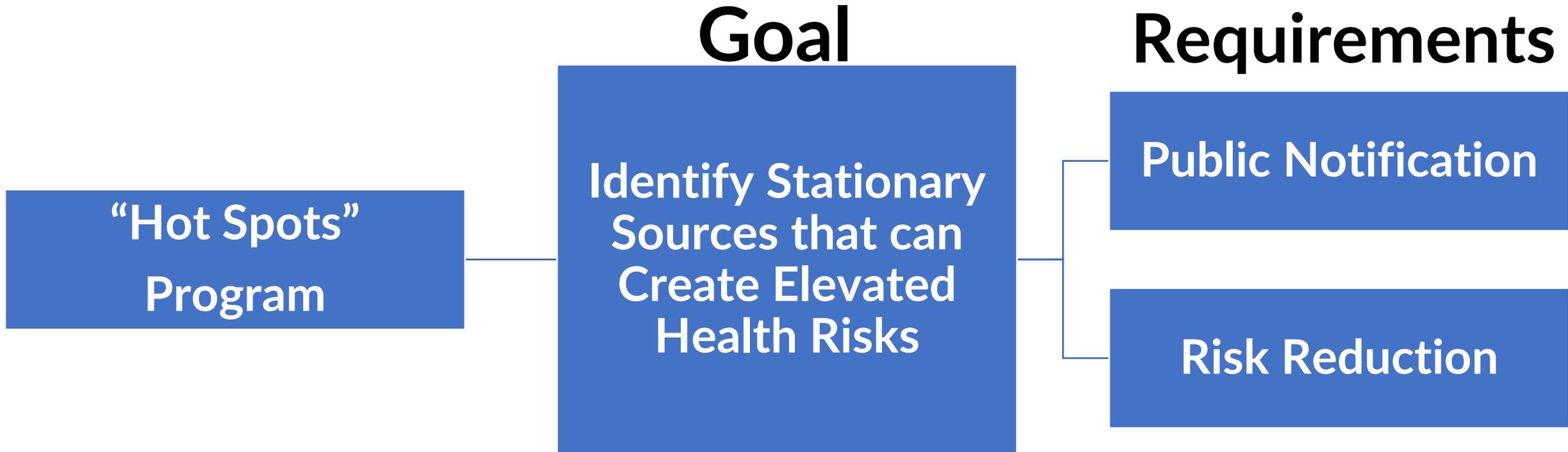
Vulcan Materials Otay Mesa Asphalt Plant

Public Meeting

August 21, 2023



Background Air Toxics “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

Health Risk	HRA Results	Risk Notification Thresholds	Risk Reduction Thresholds
Maximum Worker Chronic Health Hazard Index	1.91	1.0	1.0
Maximum Worker Acute Health Hazard Index	1.18	1.0	1.0



Vulcan Materials Company



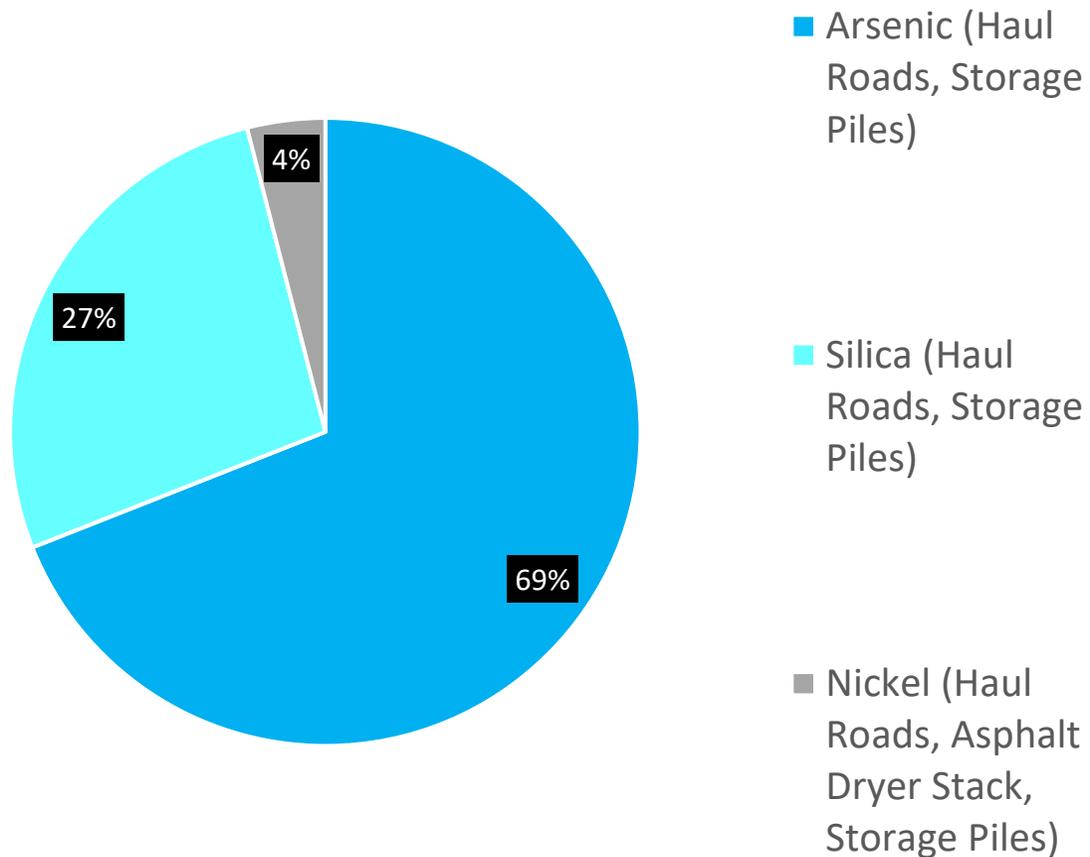
- Asphalt Batch Plant
- 7522 Paseo De La Fuente
San Diego, CA 92154

Vulcan's Equipment



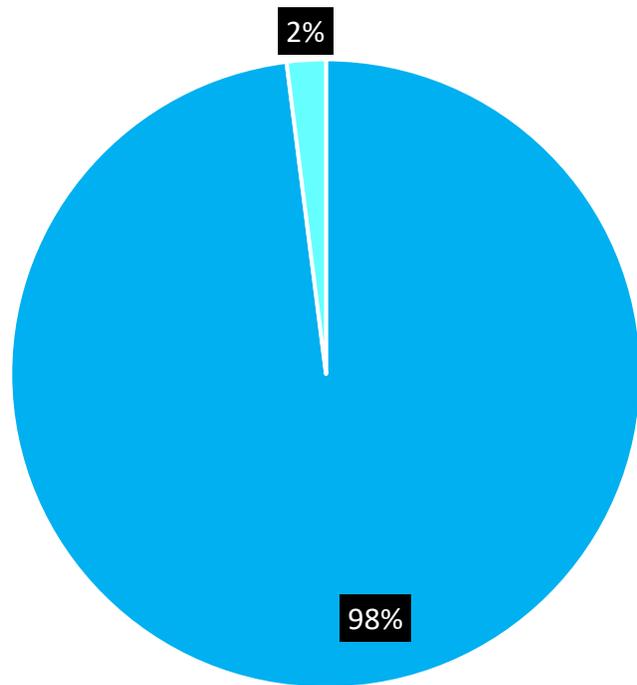
Emission Contributions

Worker Chronic Health Hazard Index 1.91



Emission Contributions

Worker Acute Health Hazard Index 1.18



■ Nickel (Asphalt Dryer Stack, Storage Piles, Haul Roads)

■ Benzene (Asphalt Dryer Stack, Engine)



Vulcan's Risk Reduction Plan

October 2022

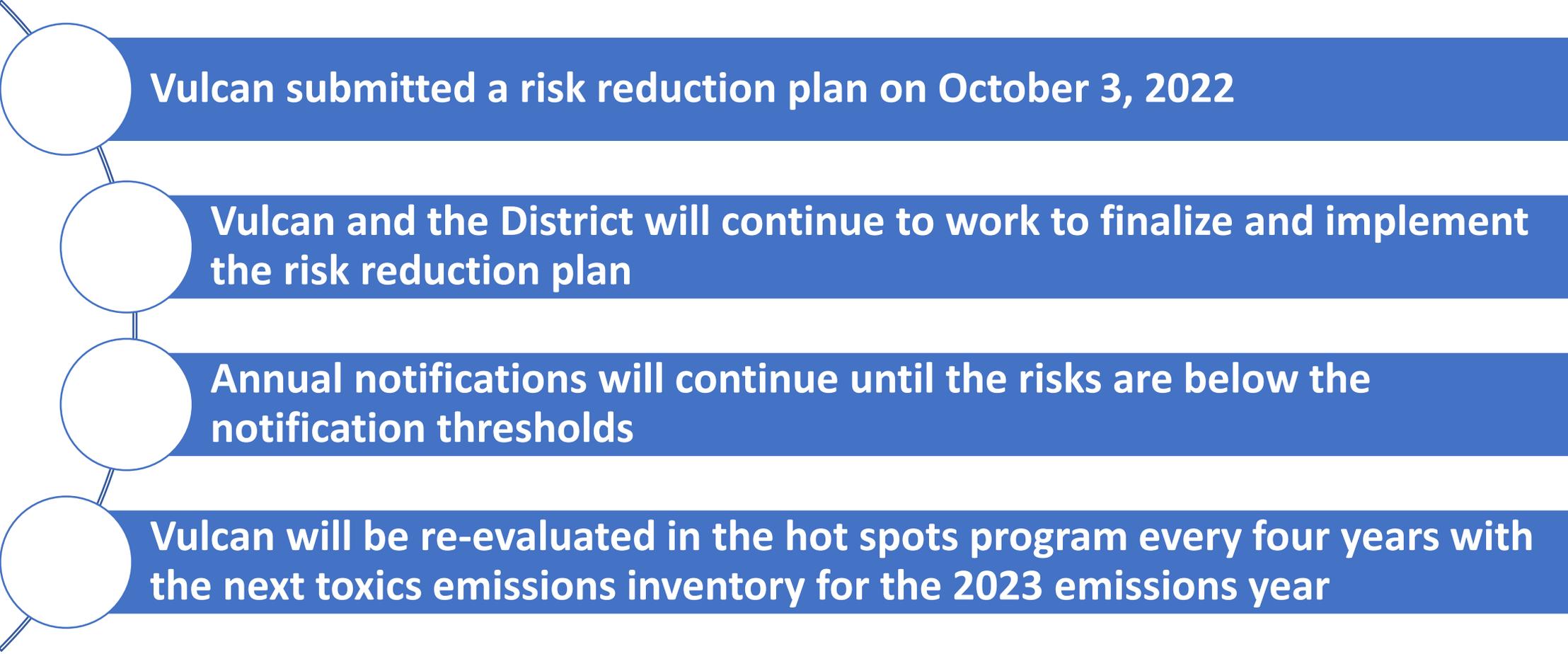
- Plan was submitted to the District, with proposes to:
 - Improve fugitive dust capture
 - Install better filter on asphalt plant baghouse

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



Next Steps



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>

SDAPCD Air Toxic "Hot Spots" Mapping Tool

To use: Select the dropdown menu to choose from the following informational maps and then click "Apply":

- "Approved HRA"** - This option will show all facilities with an approved Health Risk Assessment (HRA), the HRA results, and related documents.
- "HRA in Progress"** - This option will show all facilities required to conduct an HRA.
- "Areas of Impact"** - This option will show the areas potentially impacted by toxic emissions from surrounding facilities for different types of selectable health risks.

Click Apply

Approved HRAs

HRA

Apply Reset

Legend

SDAPCD Health Risk Assessment Data

Approved HRA Results

- ★ Facility requires public notification and risk reduction
- Facility requires public notification only
- Health risks below notification threshold

HRAs in Progress

- ▲ HRAs that were requested

Isopleths

- Risk Notification Isopleth

Facility Boundary

- Facility Boundary

Procedures & Guidelines

Public Documents for "Hot Spots" Facilities

The facilities listed below are subject to the notification requirements of the "Hot Spots" program. Select a facility to see documents related to this program. The most recent facility documents below are also available when viewing a facility record in the SDAPCD Air Toxics "Hot Spots" Mapping Tool presented above.

BAE Systems Ship Repair - San Diego - 92113 - 2017

Pacific Ship Repair - San Diego - 92113 - 2019

Vulcan Materials (Carrol Canyon) - San Diego - 92126 - 2017

Superior Ready Mix (Escondido Asphalt) - Escondido - 92024 - 2019

Encina Wastewater Authority - Carlsbad - 92011 - 2017

Minnesota Methane - San Diego - 92111 - 2018

Vulcan Materials (Otay) - San Diego - 92154 - 2019

Otay Landfill - Chula Vista - 91911 - 2017

