



San Diego County Air Pollution Control District

Vulcan Materials Company - Carroll Canyon
Public Meeting

January 8, 2025





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.
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Manager, Government & Community Affairs
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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 2021

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

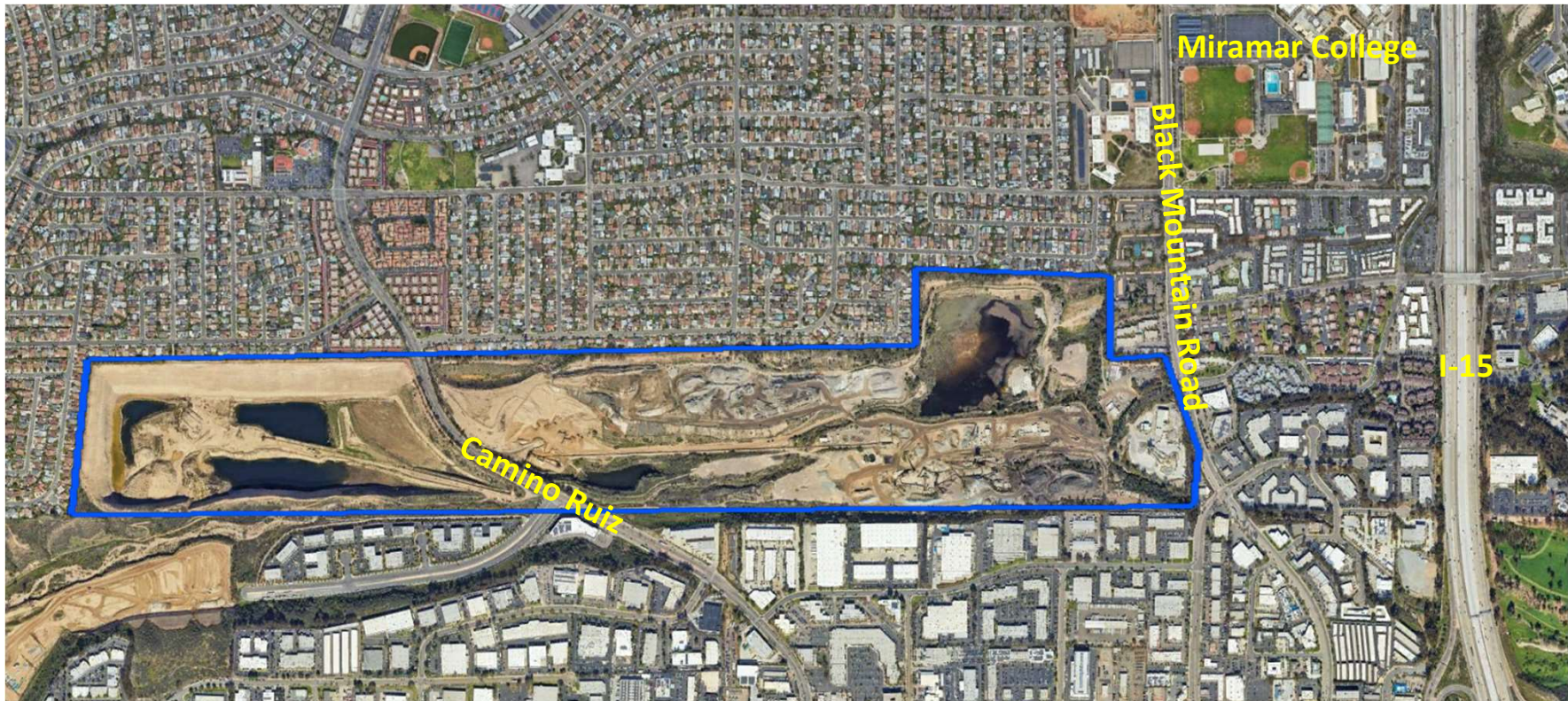


Elevated Health Risks Vulcan's 2021 Emissions

Health Risk	HRA Results	Risk Notification Thresholds	Risk Reduction Thresholds
Maximum Residential Acute Health Hazard Index	1.09	1.0	1.0
Maximum Worker Chronic Health Hazard Index	1.98	1.0	1.0
Maximum Worker Acute Health Hazard Index	2.84	1.0	1.0



Vulcan Materials Company



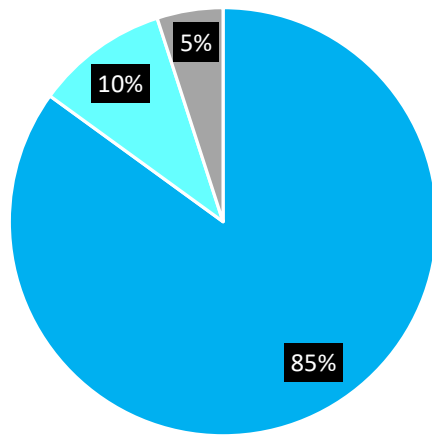
- Mineral Industry
- 10051 Black Mountain Road
San Diego, CA 92126

Vulcan's Equipment



Emission Contributions

Worker Chronic Health Hazard Index 1.98

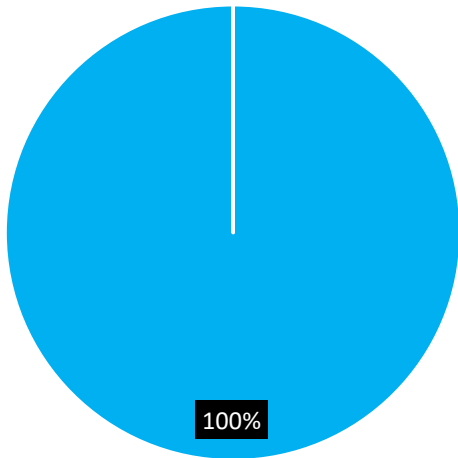


- Arsenic (Haul Roads, Storage Piles, etc.)
- Silica (Haul Roads, Storage Piles, etc.)
- Nickel (Haul Roads, Storage Piles, etc.)

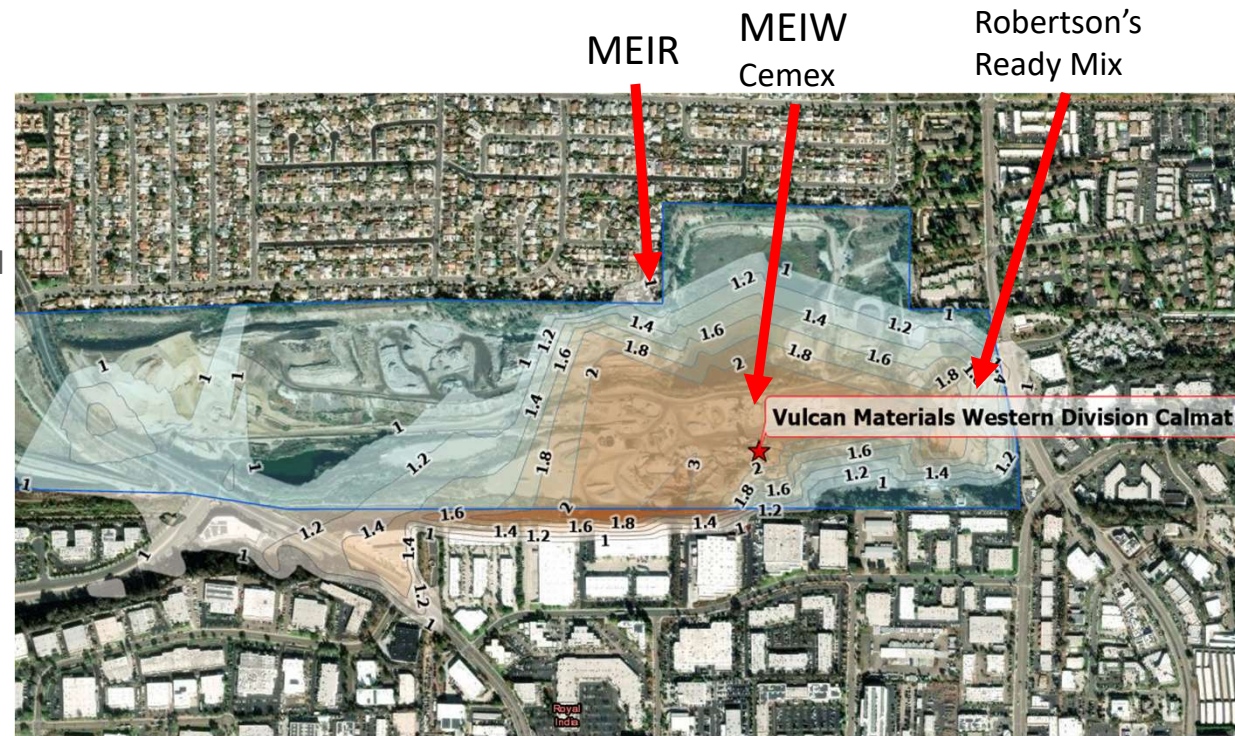


Emission Contributions

Acute Health Hazard Index 2.84



■ Nickel (Haul Roads, Aggregate Plant)



Vulcan's Risk Reduction Plan

August 2022

- A Plan was submitted to the District, with proposes to:
 - Remove certain processing equipment

Current Status

- The previous Risk Reduction Plan was approved by the District and implemented by Vulcan in 2023 which reduced offsite risks to below notification levels.
- Vulcan will Submit a new Risk Reduction Plan by March 2025 that can take credit for the risk reduction measures already implemented and which will address any remaining on-site risk, as identified for Non-Vulcan businesses for other companies which share the Vulcan site.



Next Steps



Vulcan must submit a risk reduction plan by March 3, 2025

The District will review the plan and implement permit modifications to make the emissions and risk reductions enforceable

Annual notifications will continue until the risks are below notification thresholds through implementation of the risk reduction plan

Vulcan will be re-evaluated in the hot spots program every four years with the next toxics emissions inventory for the 2025 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

To view and access information related to potential health risks, please click on the icons displayed on the map.

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

