



Vulcan Materials Company

- VMC produces its products safely and with concern for public health, the environment, and pollution prevention.
- VMC provides our employees and the communities in which we work with a healthy and safe environment.
- VMC 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 & Public Affairs
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San Diego County
**Air Pollution
Control District**



Vulcan Materials Company – Chula Vista

Public Meeting

August 26, 2026

Background Air Toxics “Hot Spots” Program



Background

Air Toxics “Hot Spots” Program

Health Risk Assessment

- As per State law, Vulcan Materials Company was required to conduct a Health Risk Assessment based on their 2023 emissions

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, the HRA was approved in 2026

Requirements

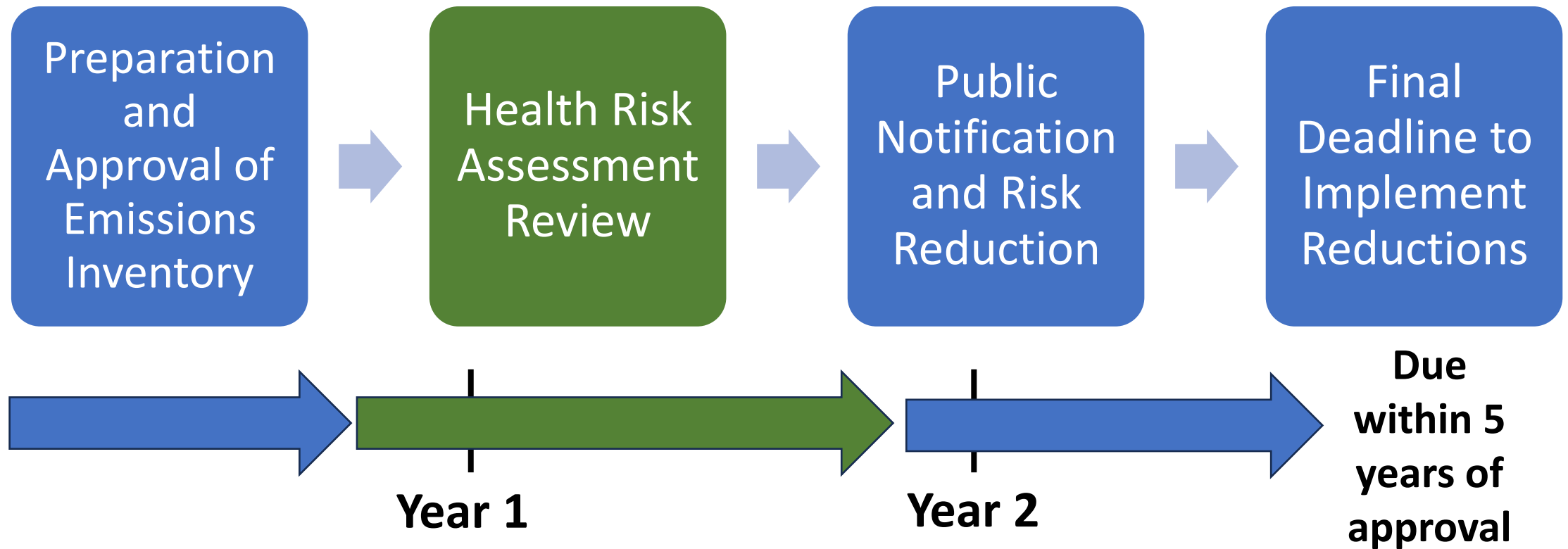
- Based on the results of the HRA, Vulcan Materials Company was required to required to conduct a public notice and is required to submit a risk reduction plan application no later than October 19, 2026

Risk Reduction Plan

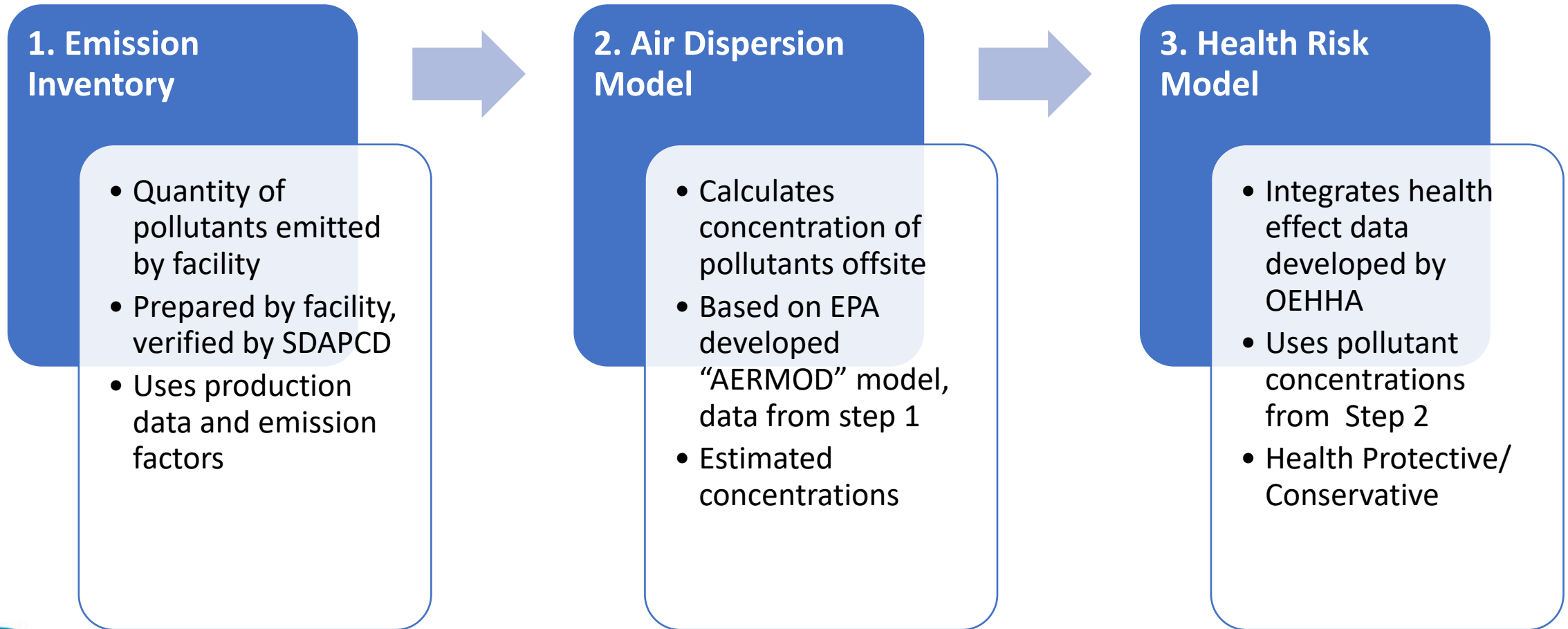
- Vulcan Materials Company has already applied for a change to their operating permit to reduce emissions in advance of submitting the risk reduction plan. This plan is currently under review by SDAPCD.



Background: HRA Process



Background: Health Risk Assessments (HRA)



Elevated Health Risks from Vulcan Materials Company 2023 Emissions

Health Risk	2021 HRA Results	Risk Notification and Risk Reduction Threshold
Maximum Residential Acute Health Hazard Index (HHI)	1.46	1.0
Maximum Worker Acute Health Hazard Index (HHI)	1.12	





Vulcan Materials Company

- Quarry

2275 Hard Rock Road

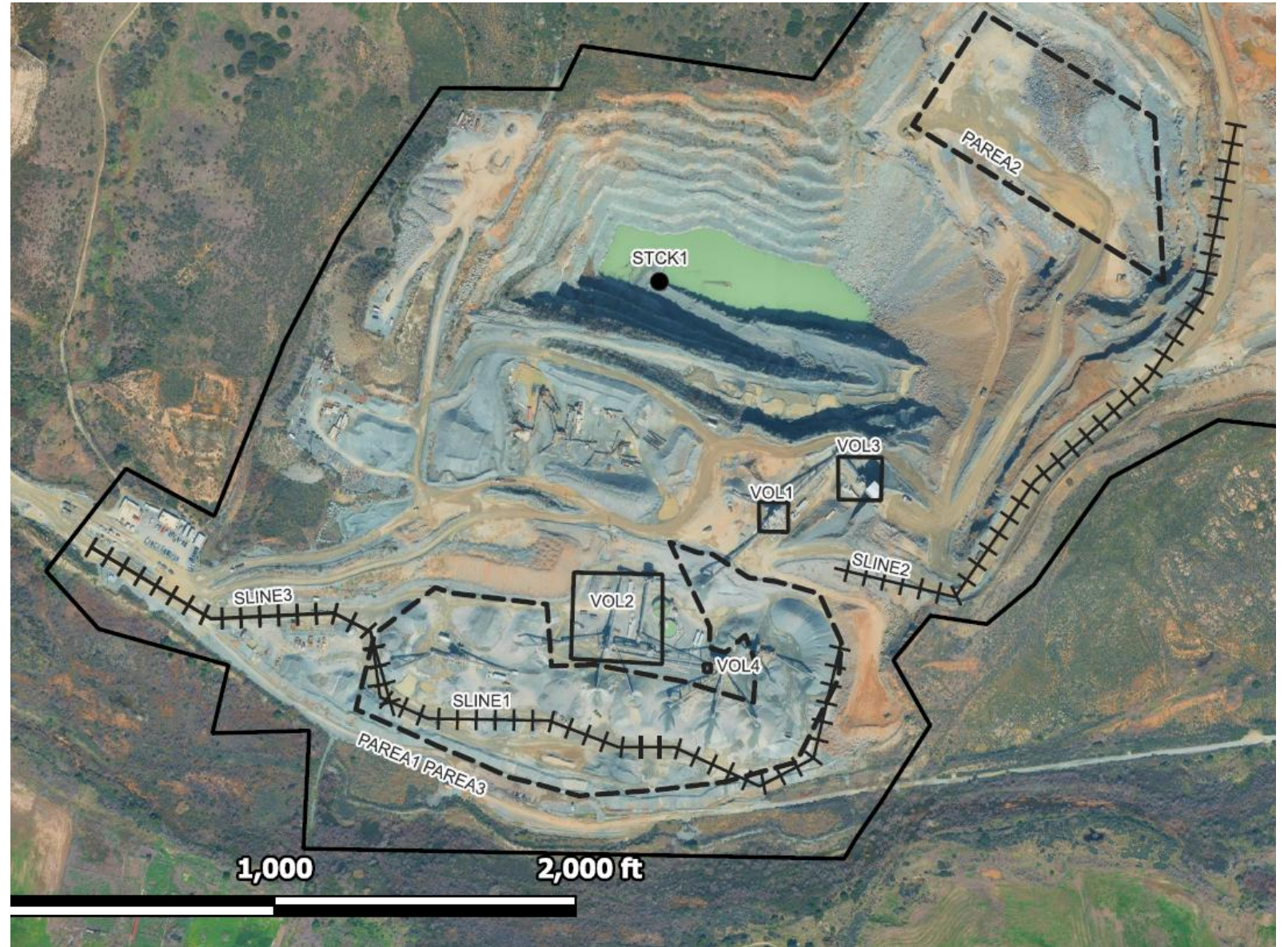
Chula Vista, CA 91911



Vulcan Materials Company Equipment

Emission Sources

- Haul Roads ("SLINE")
- Diesel Engine (STCK1)
- Stockpiles/Quarrying (PAREA)
- Rock Crushing/Screening (VOL 1-4)



Emission Contributions

Maximum Acute HHI 1.46

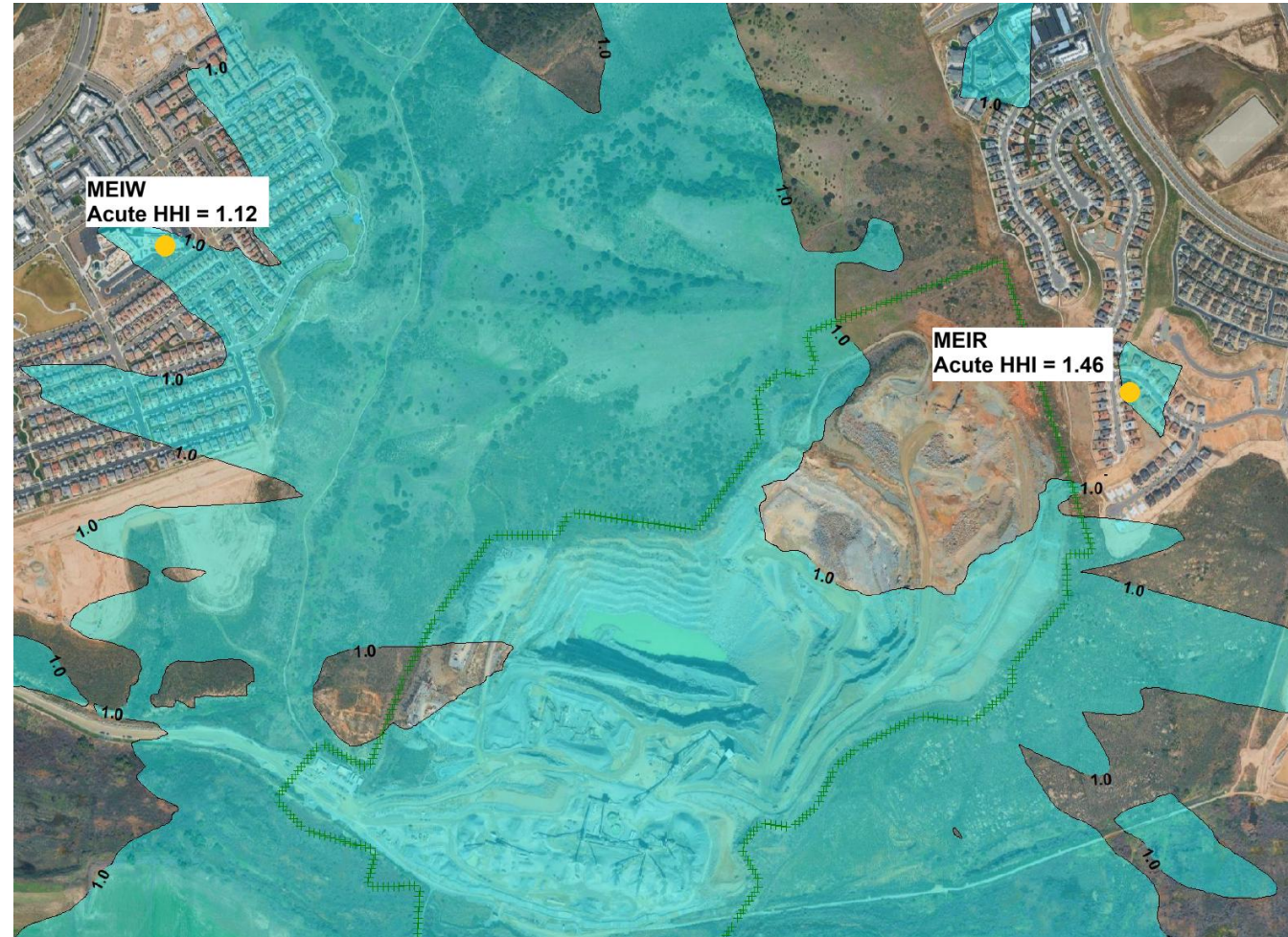
Risk Contribution

Maximum Exposed Residence

- Acute risk at the MEIR is mainly due to the quarry (99%).
- The main pollutant contributing to this risk is Nickel (100%).

Maximum Exposed Worker

- Acute risk at the MEIW is mainly due to the quarry (95%).
- The main pollutant contributing to this risk is Nickel (100%).



Next Steps

- **Vulcan Materials Company is required to submit a risk reduction plan no later than October 19, 2026**
- **Plan approval will include revisions to permits to include enforceable metrics to implement risk reductions**
- **VMC has initially proposed implementing enhanced control of particulate matter emitted from quarrying operations**
- **SDAPCD is currently evaluating details of enhanced watering proposal, Vulcan is voluntarily implementing watering of quarry area**
- **Vulcan will notify and host a public meeting annually until the Risk Reduction Plan is fully implemented**



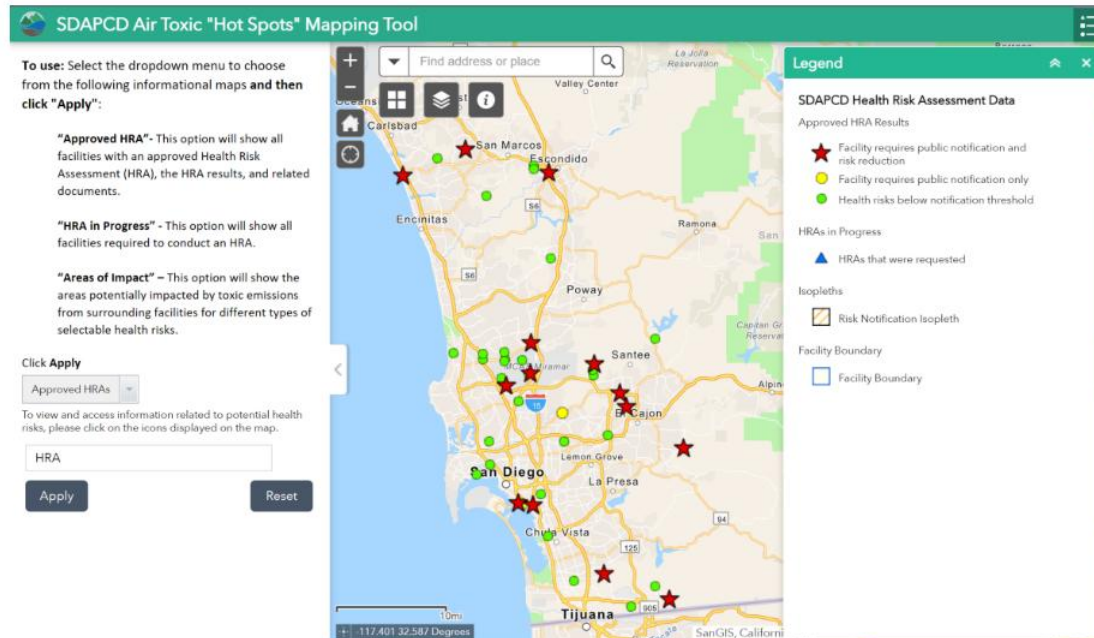
Stay Informed

Sign up for District Updates

- <https://bit.ly/SDAPCD-Updates>

Visit District Hot Spots Page

- <https://sdapcd.org/hotspots>



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.

Encina Wastewater Authority - Carlsbad - 92011 - 2021

Martin Marietta San Diego Aggregates, LLC - Santee - 92071 - 2021

Lehigh Hanson Aggregates - San Diego - 92145 - 2017

Minnesota Methane - San Diego - 92111 - 2021

General Dynamics NASSCO - San Diego - 92113 - 2021

Otay Landfill - Chula Vista - 91911 - 2021

Vulcan Materials - San Diego - 92126 - 2021

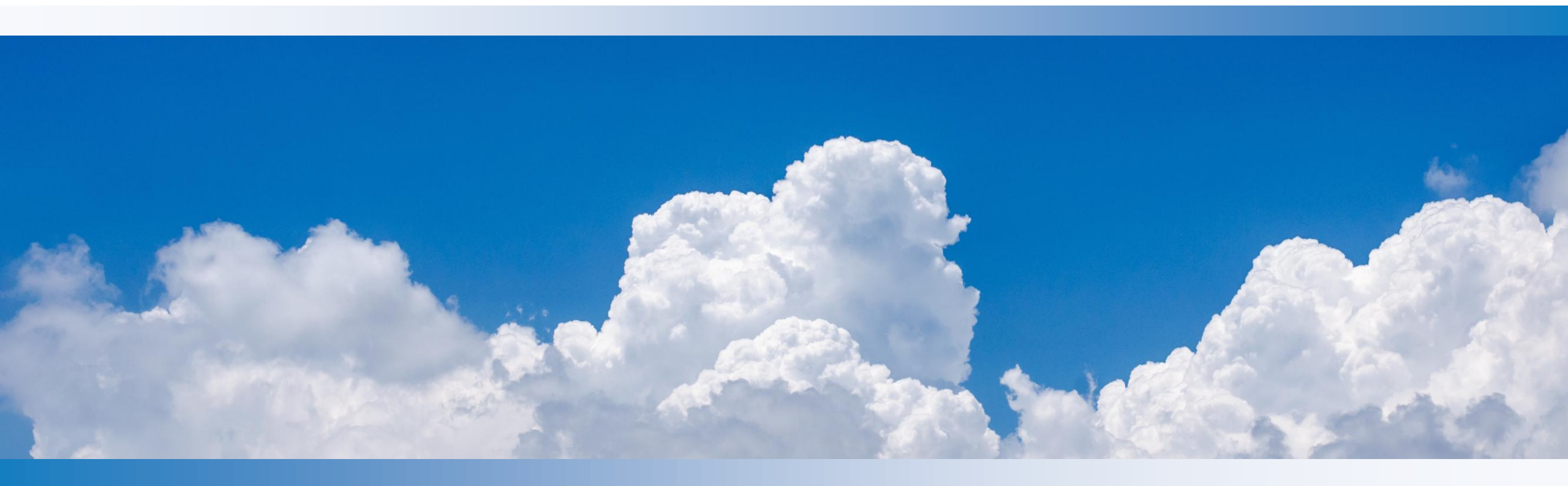
Freeburg Industrial Fabrication Corp - Escondido - 92029 - 2021

Naval Base San Diego - San Diego - 92136 - 2021





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For More Information

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