



San Diego County Air Pollution Control District

Martin Marietta at Sycamore Landfill

Public Meeting

February 19, 2025



Background Air Toxics “Hot Spots” Program



Background

Air Toxics “Hot Spots” Program

Health Risk Assessment

- As required by State law, Martin Marietta conducted a Health Risk Assessment based on emissions that occurred in 2021

Approval

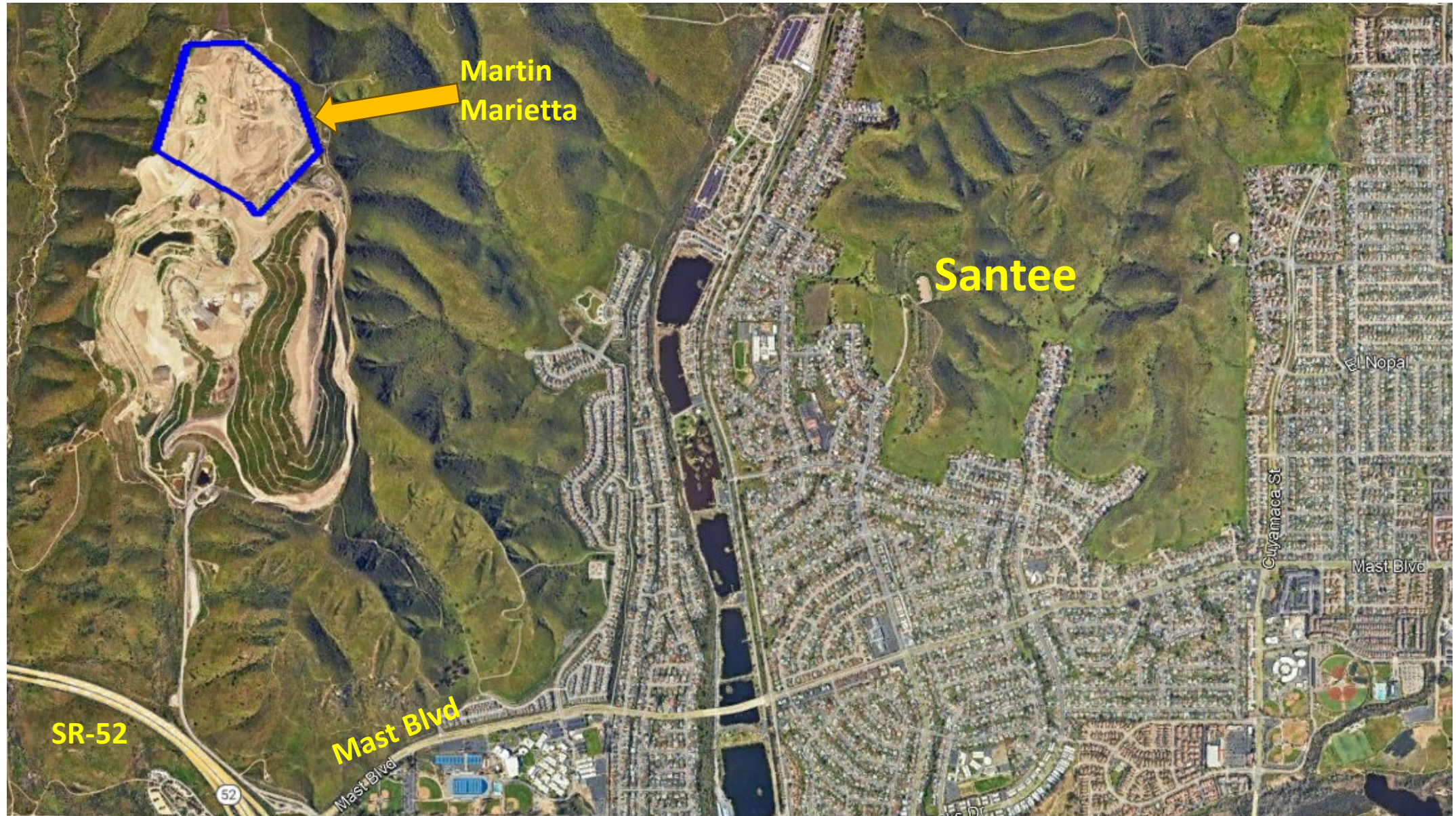
- State law requires the District and the Office of Environmental Health Hazard Assessment (OEHHA) to review and approve Health Risk Assessments conducted by facilities subject to the Hot Spots Program

Requirements

- Based on the approved Health Risk Assessment, Martin Marietta was required to conduct public notification and submit a risk reduction plan to the District



Martin Marietta



Martin Marietta's Equipment



Martin Marietta's Equipment



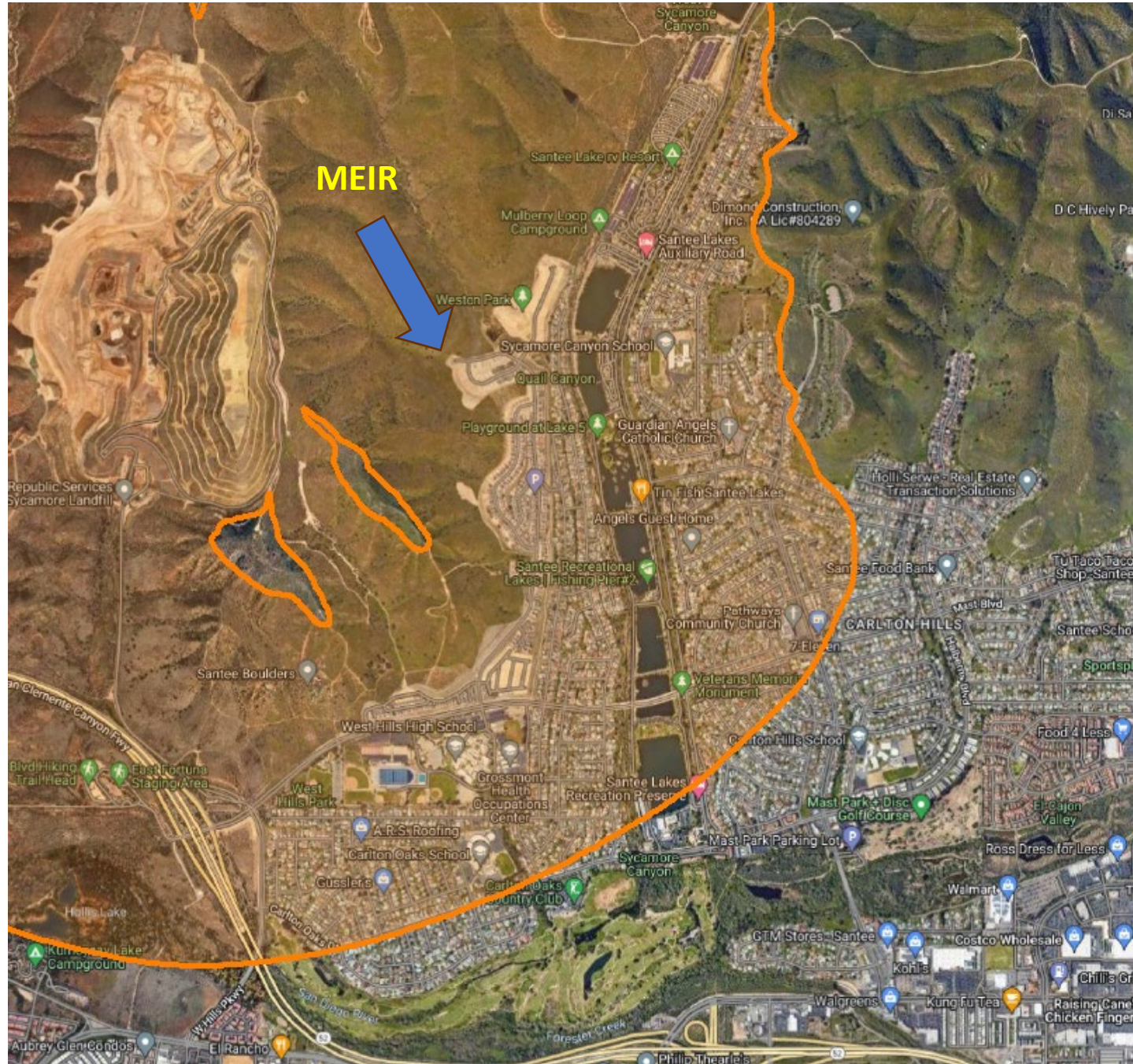
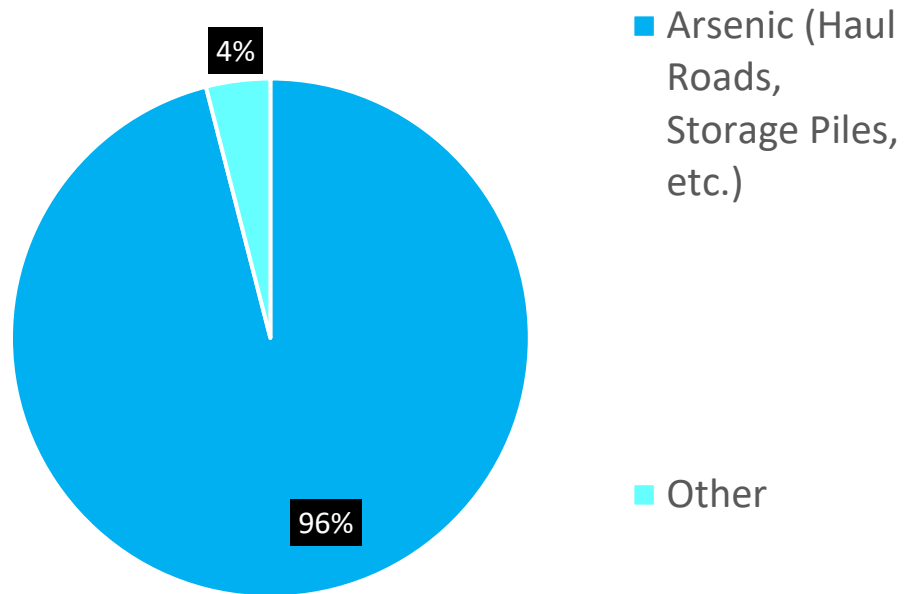
Elevated Health Risks

Martin Marietta's 2021 Emissions

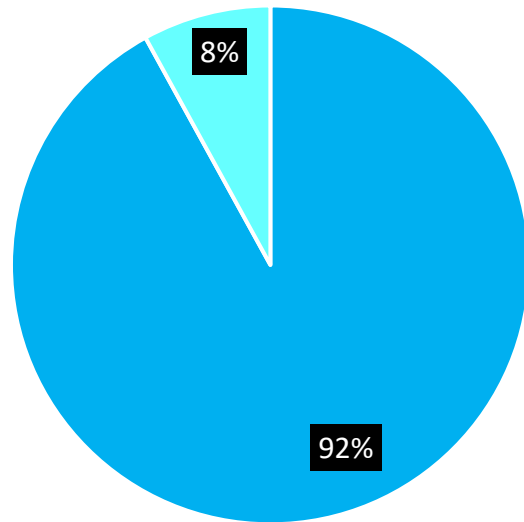
Maximum Health Risk	HRA Results	Risk Notification Thresholds	Risk Reduction Thresholds
Residential Cancer Risk	32.90	10 in a million	10 in a million
Residential Chronic Health Hazard Index	1.91	1.0	1.0
Worker Cancer Risk	37.08	10 in a million	10 in a million
Worker Chronic Health Hazard Index	14.41	1.0	1.0
Worker Acute Health Hazard Index	2.23	1.0	1.0



Emission Contributions Resident Cancer: 32.9 in a million



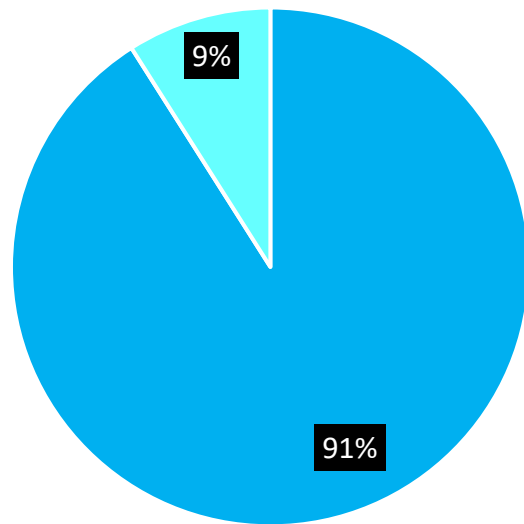
Emission Contributions Resident Chronic Health Hazard Index: 1.91



- Arsenic (Haul Roads, Storage Piles, etc.)
- Manganese



Emission Contributions Worker Cancer: 37.08 in a million

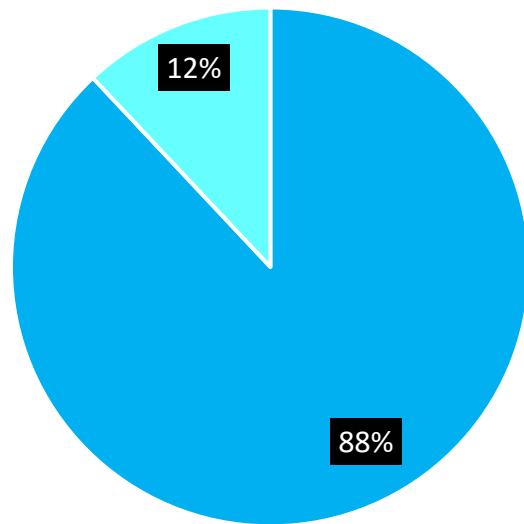


■ Arsenic (Haul Roads, Storage Piles, etc.)

■ Other



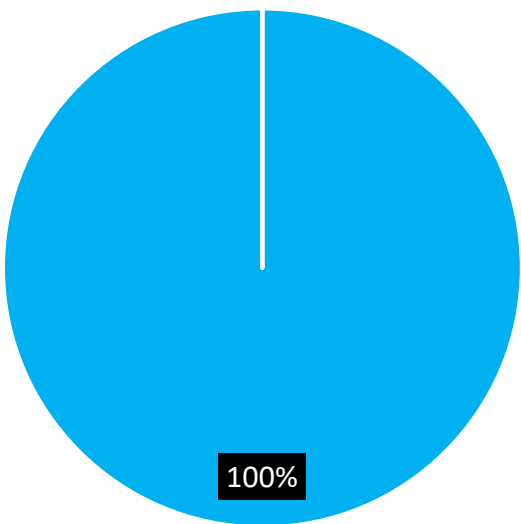
Emission Contributions Worker Chronic Health Hazard Index: 14.41



- Arsenic (Haul Roads, Storage Piles, etc.)
- Manganese



Emission Contributions Worker Acute Health Hazard Index: 2.23



■ Arsenic (Haul Roads, Storage Piles, etc.)



Martin Marietta's Risk Reduction Plan

January 2023

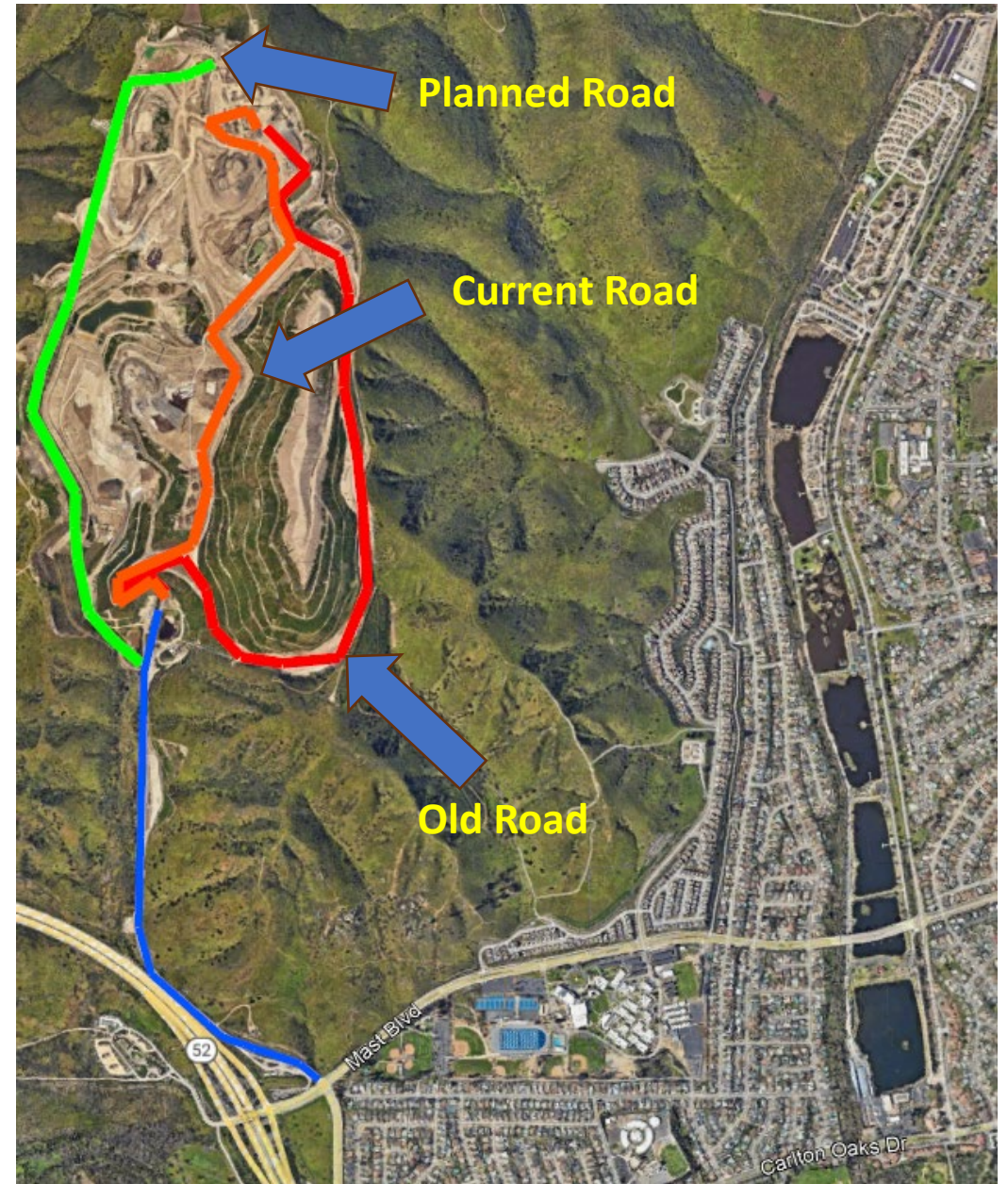
- A Risk Reduction Plan was submitted to the District, with proposes to:
 - Include additional watering conditions on all permitted operations for the haul roads
 - Additional watering began in 2021 when the sand plant was permitted
 - Use a dust suppressant on Haul Roads
 - Allow haul road to be moved further away from receptors

Current Status

- The previous Risk Reduction Plan was approved by the District and implemented by Martin Marietta on August 3, 2024 which reduced offsite emissions to below notification levels and would have reduced risk for on-site receptors as well.
- Martin Marietta will submit a new Risk Reduction Plan by April 8, 2025 that also addresses the risk identified for workers of other co-located facilities which share the landfill site.



Haul Roads



Martin Marietta's Risk Reduction Plan

January 2023

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 - Include additional watering conditions on all permitted operations for the haul roads
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Next Steps



Martin Marietta must submit a risk reduction plan by April 8, 2025

Martin Marietta and the District will review, approve, and work to implement the risk reduction plan

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

Martin Marietta 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

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

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 Toxic "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

