



San Diego County Air Pollution Control District

Minnesota Methane San Diego LLC (Miramar Energy)

Public Meeting

July 18, 2024



Background Air Toxics “Hot Spots” Program



Background

Air Toxics “Hot Spots” Program

Health Risk Assessment

- As required by State law, Miramar Energy conducted a Health Risk Assessment that was representative of their 2021 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

Requirements

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

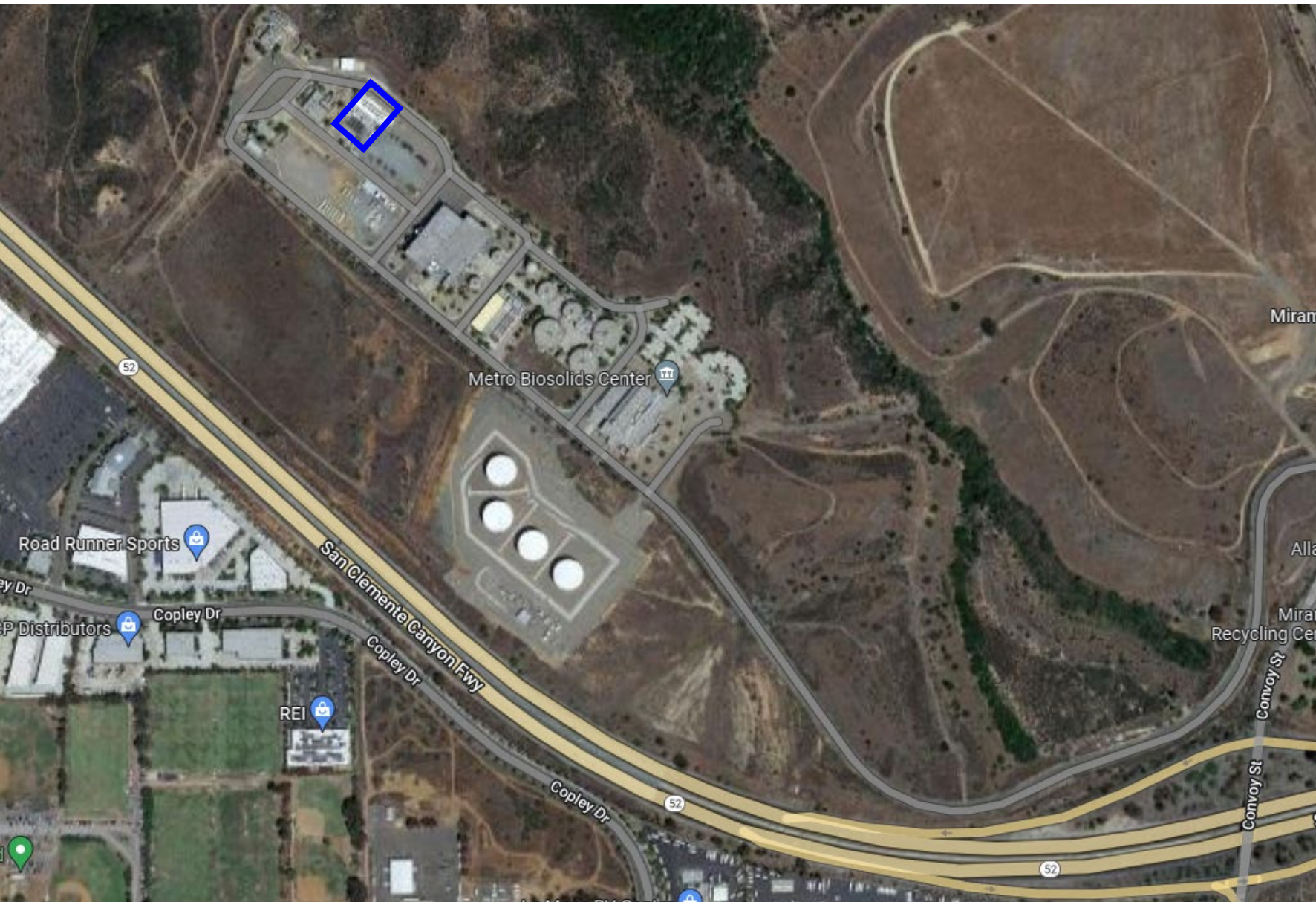


Elevated Health Risks Miramar Energy's 2018 Emissions

Health Risk	HRA Results	Risk Notification Thresholds	Risk Reduction Thresholds
Maximum Worker Chronic Health Hazard Index	1.82	1.0	1.0
Maximum Worker Acute Health Hazard Index	20.86	1.0	1.0



Miramar Energy



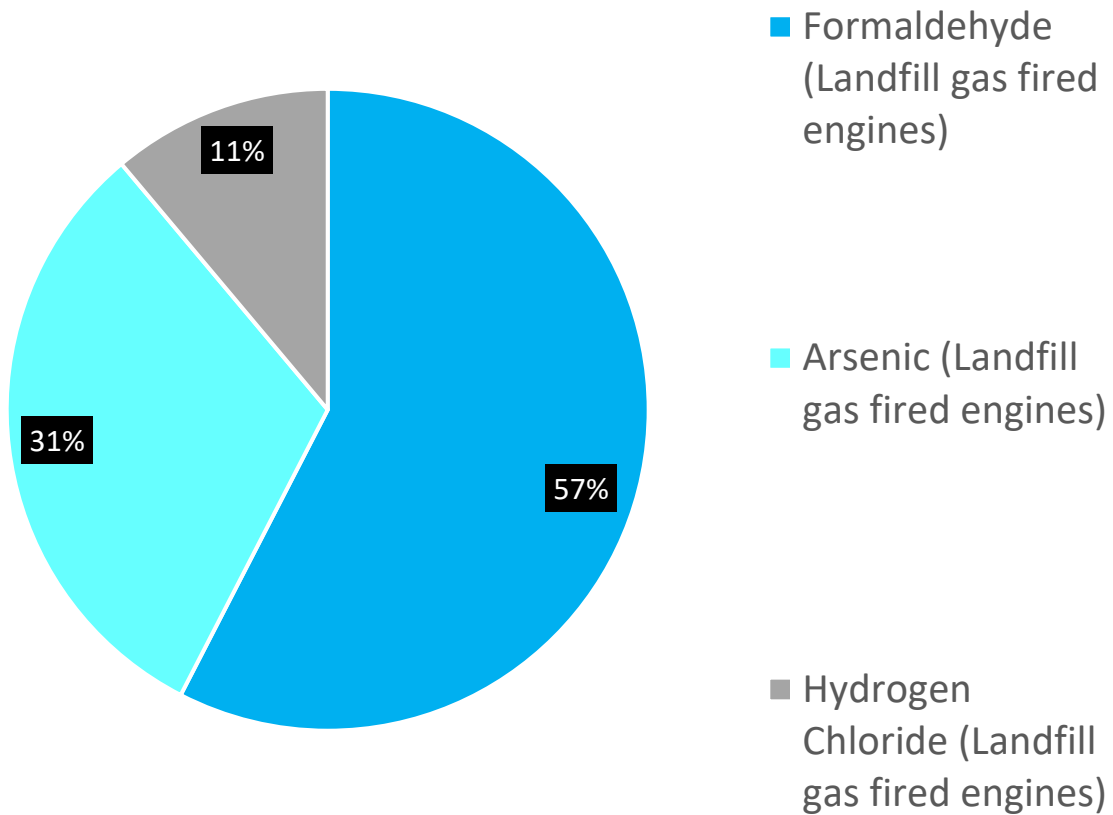
- Landfill Gas to Energy Plant
- 5244 Convoy Street, San Diego, CA 92111

Miramar Energy's Equipment



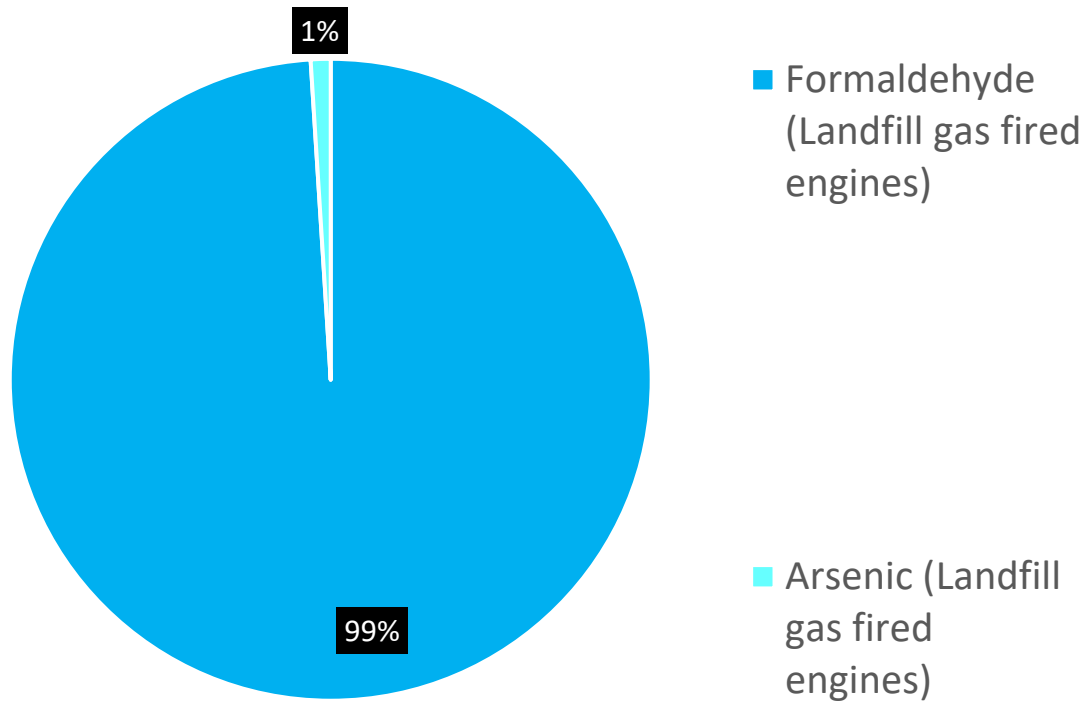
Emission Contributions

Worker Chronic Health Hazard Index 1.82



Emission Contributions

Worker Acute Health Hazard Index 20.86



Miramar Energy's Risk Reduction Plan

September 2022


- Plan was submitted to the District, which proposed to:
 - Conduct additional source testing to better quantify toxic emissions
 - Improve operation and maintenance procedures

Current Status

- Miramar Energy has conducted the additional source testing (which did not show reduced formaldehyde emissions)
- Most recent revisions submitted in April 2024 Miramar Energy is proposing to design/install a control system to reduce formaldehyde and arsenic emissions



Next Steps



Miramar Energy submitted a risk reduction plan in September 2022 and most recent revisions submitted to the District in April 2024

The District is evaluating Miramar Energy's most recent revisions to risk reduction plan to finalize and approve the risk reduction plan

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

Miramar Energy's toxic emissions will be re-evaluated every four years under AB2588. 2025 will be the next emissions year analyzed under the program.



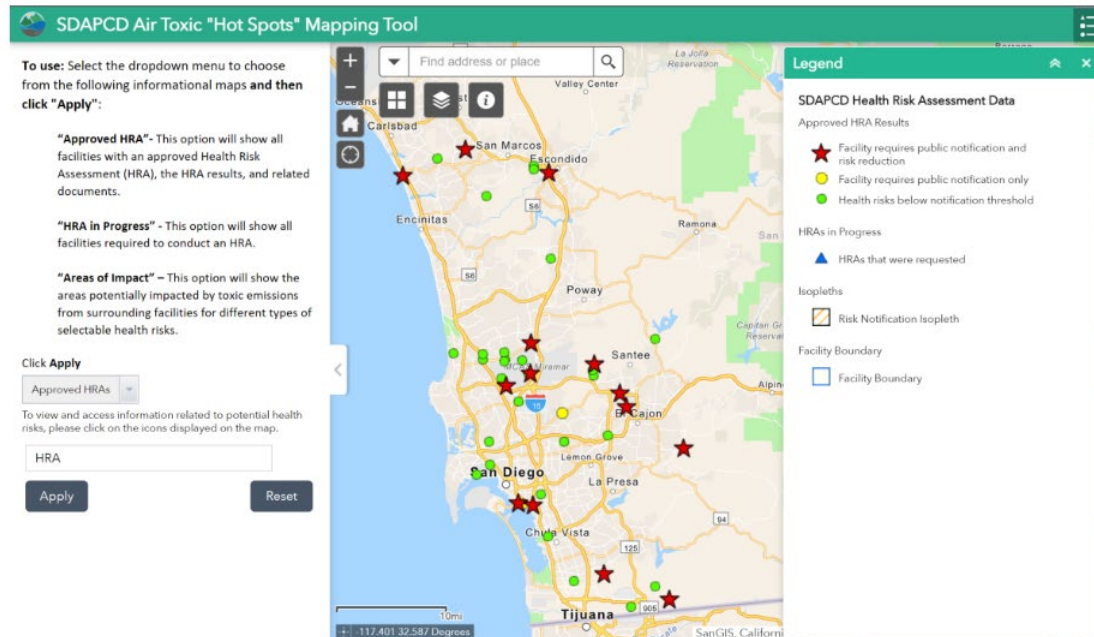
Stay Informed

Sign up for District Updates

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

Visit District Hot Spots Page

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



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

