



San Diego County Air Pollution Control District

Minnesota Methane San Diego LLC (Miramar Energy)

Public Meeting

August 29, 2023



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 based on emissions that occurred in 2018

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



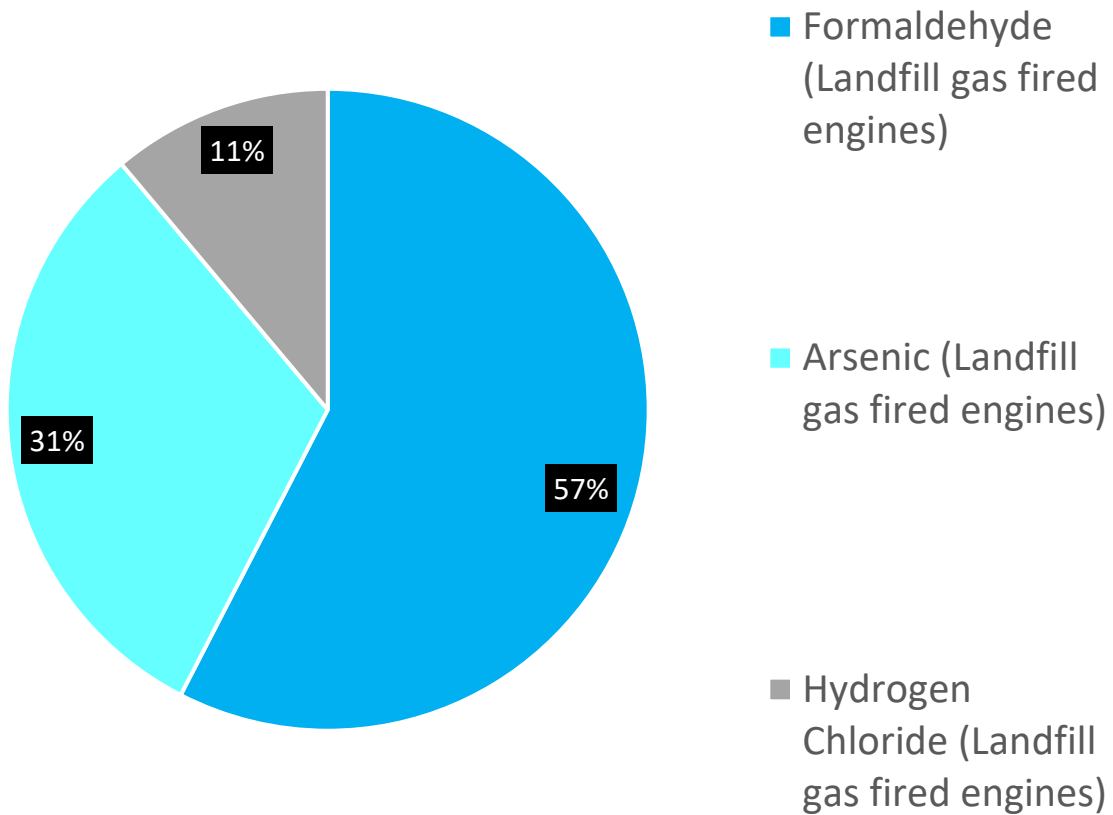
- Landfill Gas to Energy Plant
- 5244 Convoy Street, San Diego, CA 92111

Miramar Energy's Equipment



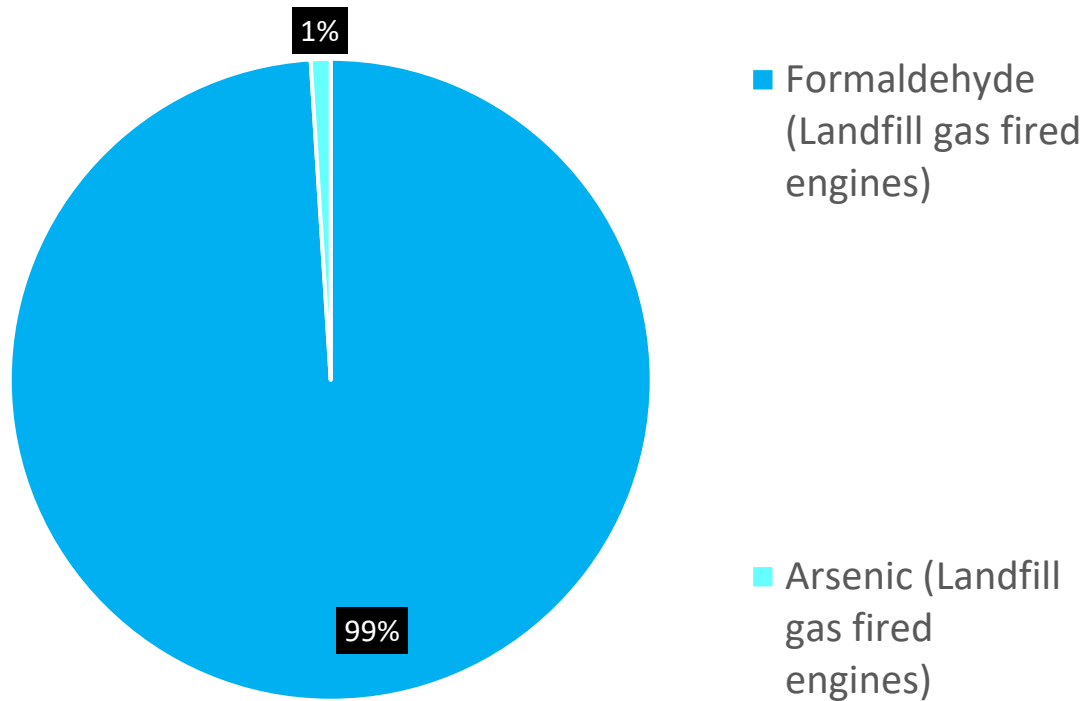
Emission Contributions

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 proposes 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, the District has provided comments on the source testing done, and Miramar Energy will need to amend their test plan.



Next Steps



Miramar Energy submitted a risk reduction plan in September 2022

Miramar Energy 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

Miramar Energy is required to submit another Health Risk Assessment, in conjunction with the City of San Diego operations, based on their 2021 emissions by November 20, 2023



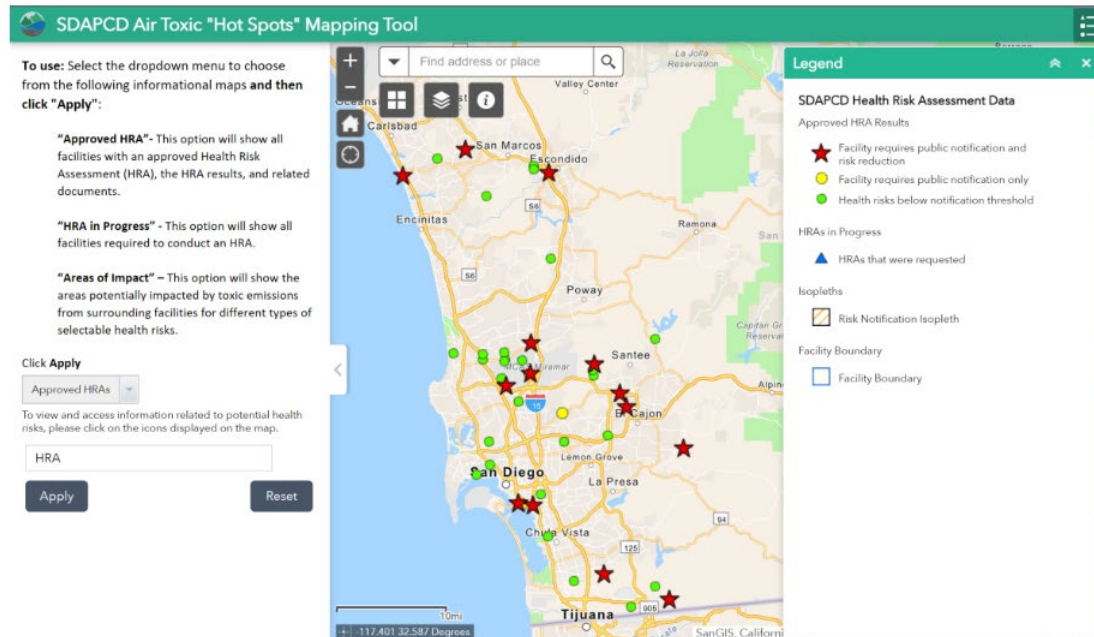
Stay Informed

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

