



San Diego County
**Air Pollution
Control District**



Otay Landfill, Inc.

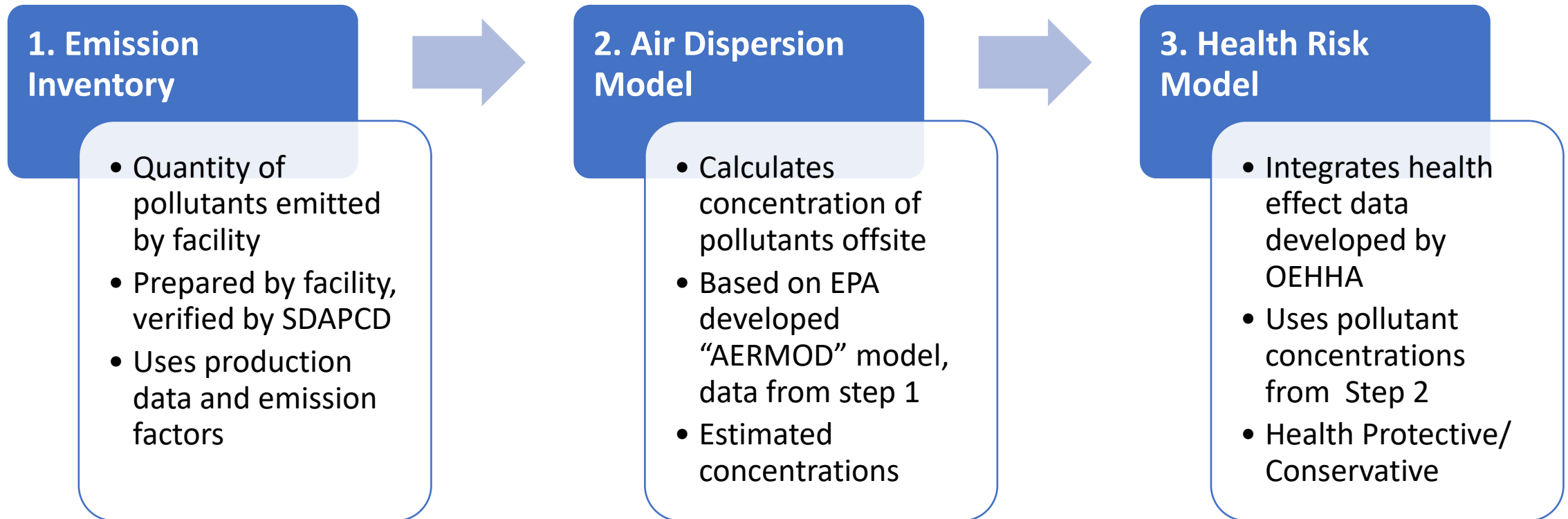
Public Meeting

August 25, 2026

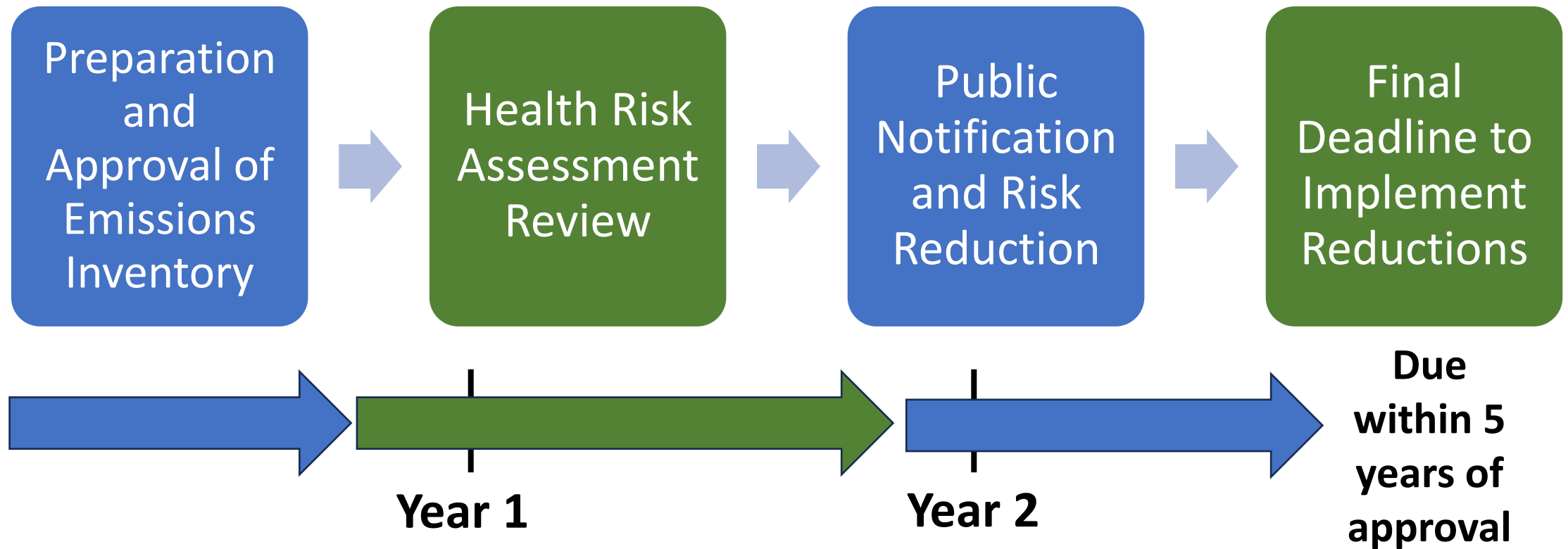
Background Air Toxics “Hot Spots” Program



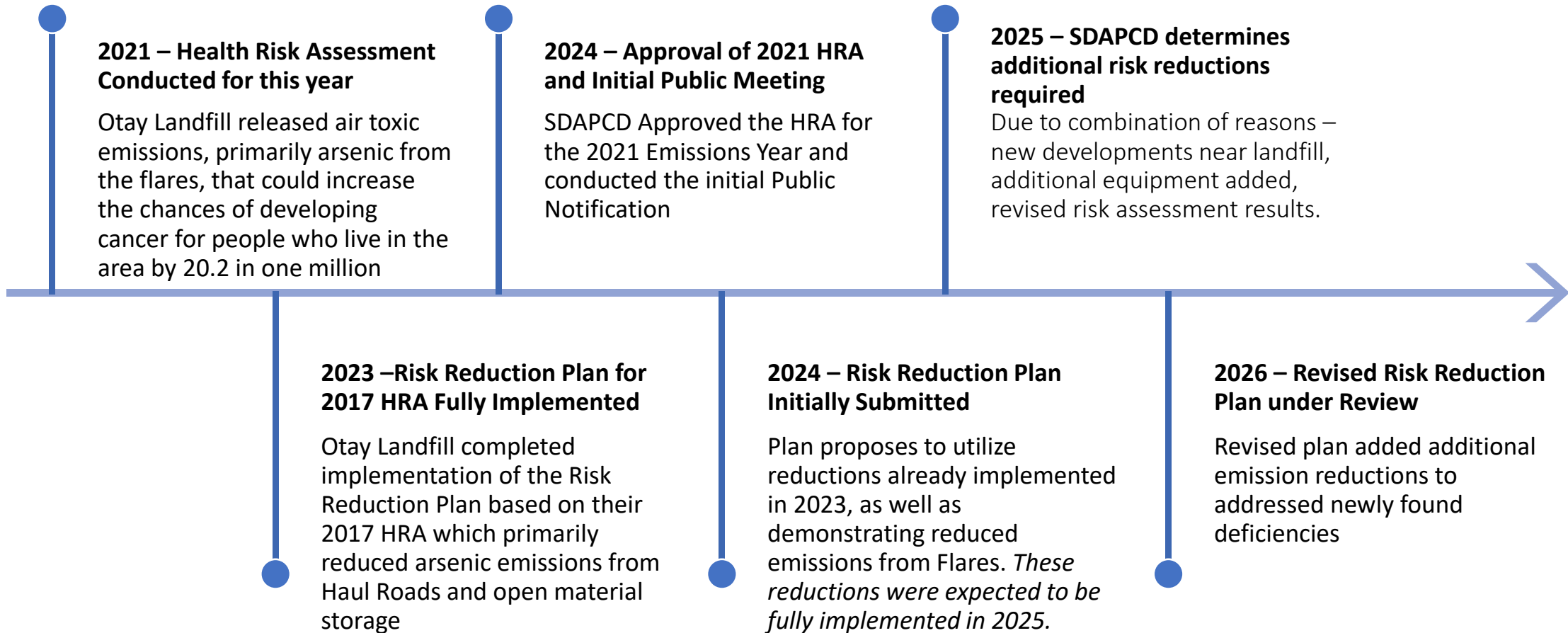
Background: Health Risk Assessments (HRA)



Background: HRA Process



Air Toxics “Hot Spots” Program



Elevated Health Risks from Otay Landfill's 2021 Emissions

Health Risk	2021 HRA Results	Risk Notification and Risk Reduction Threshold
Maximum Residential Cancer Risk	20.2 in one million	10 in one million
Maximum Worker Cancer Risk	2.0 in one million	





Otay Landfill

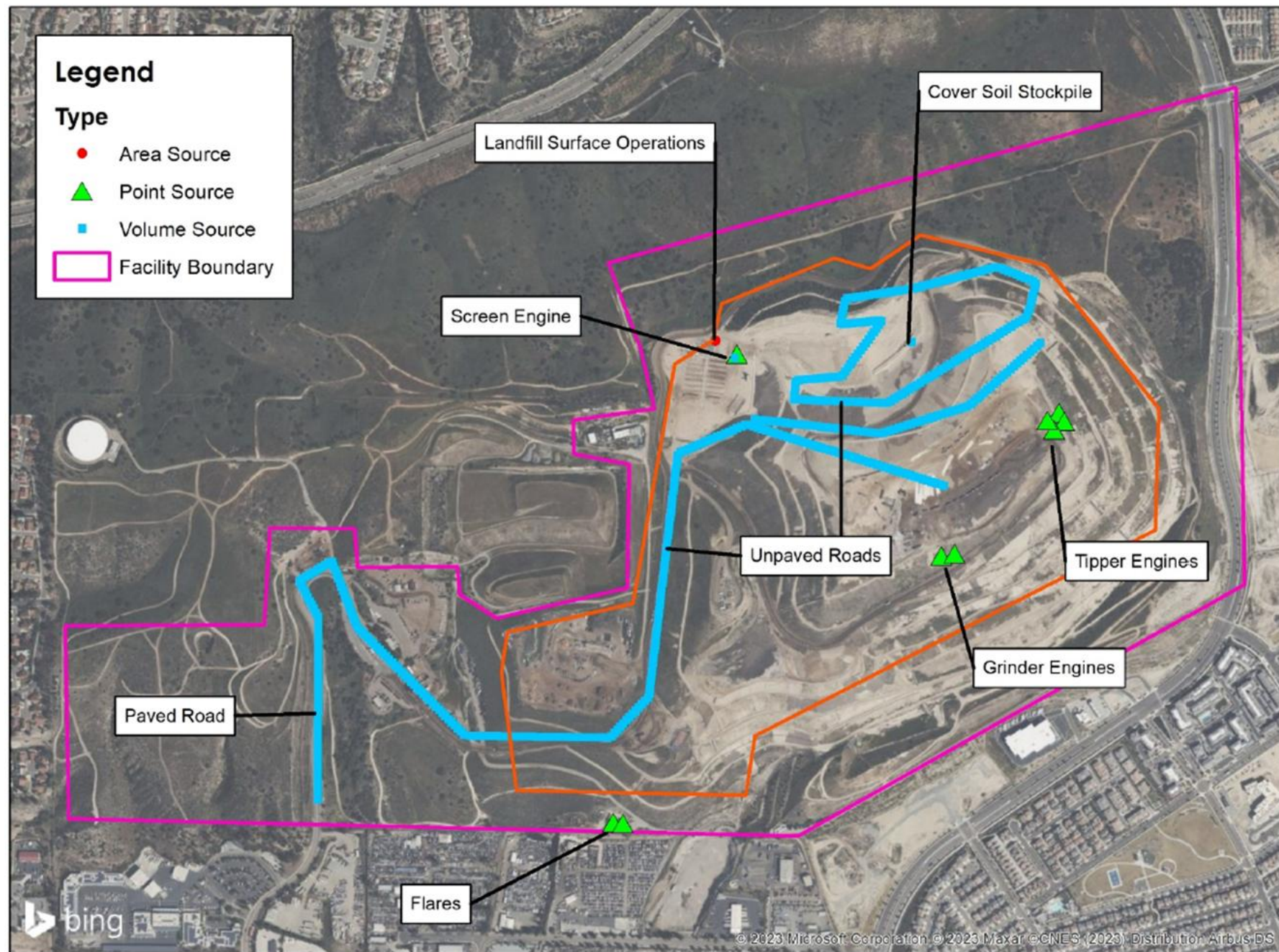
- Municipal Solid Waste Landfill
- 1700 Maxwell Road, Chula Vista, CA 91911



Otay Landfill Equipment

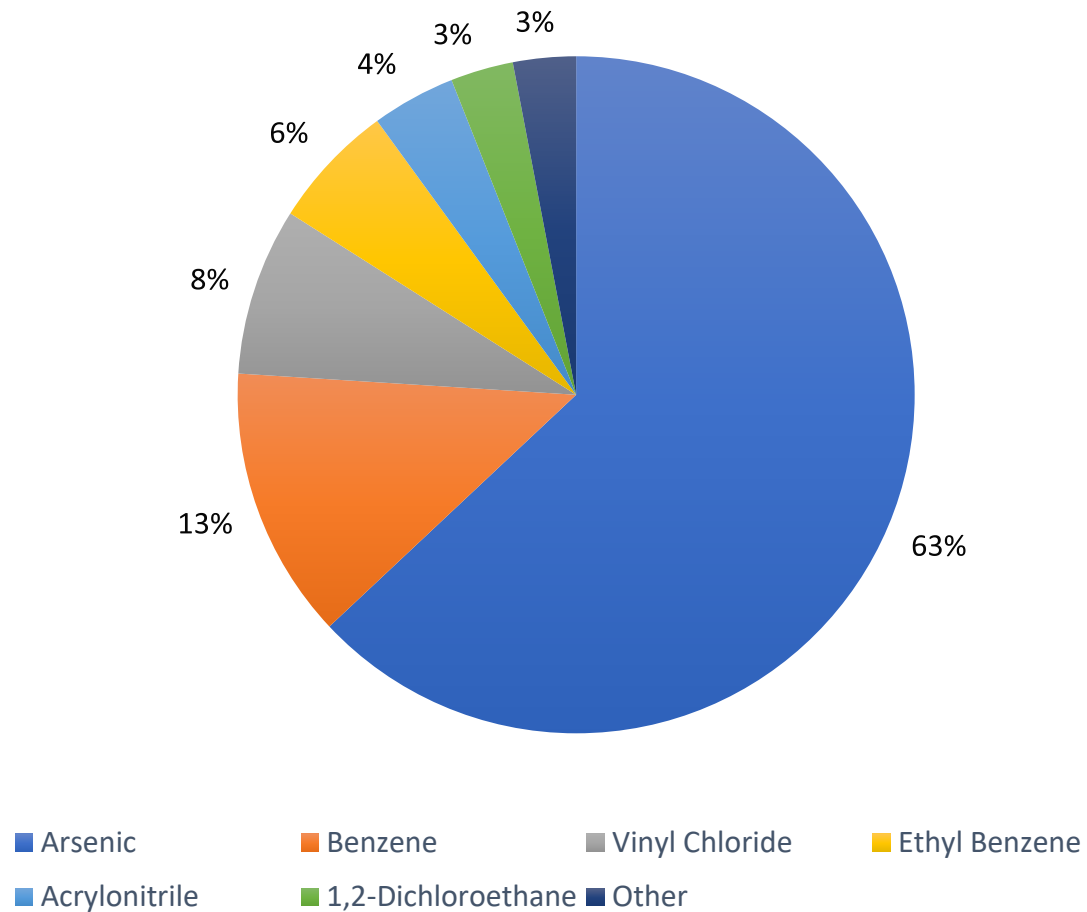
Emission Sources

- Haul Roads
- “Fugitive” Landfill Gas
- Flares
- Diesel Engines
- Haul Roads
- Surface Operations/Stockpiles

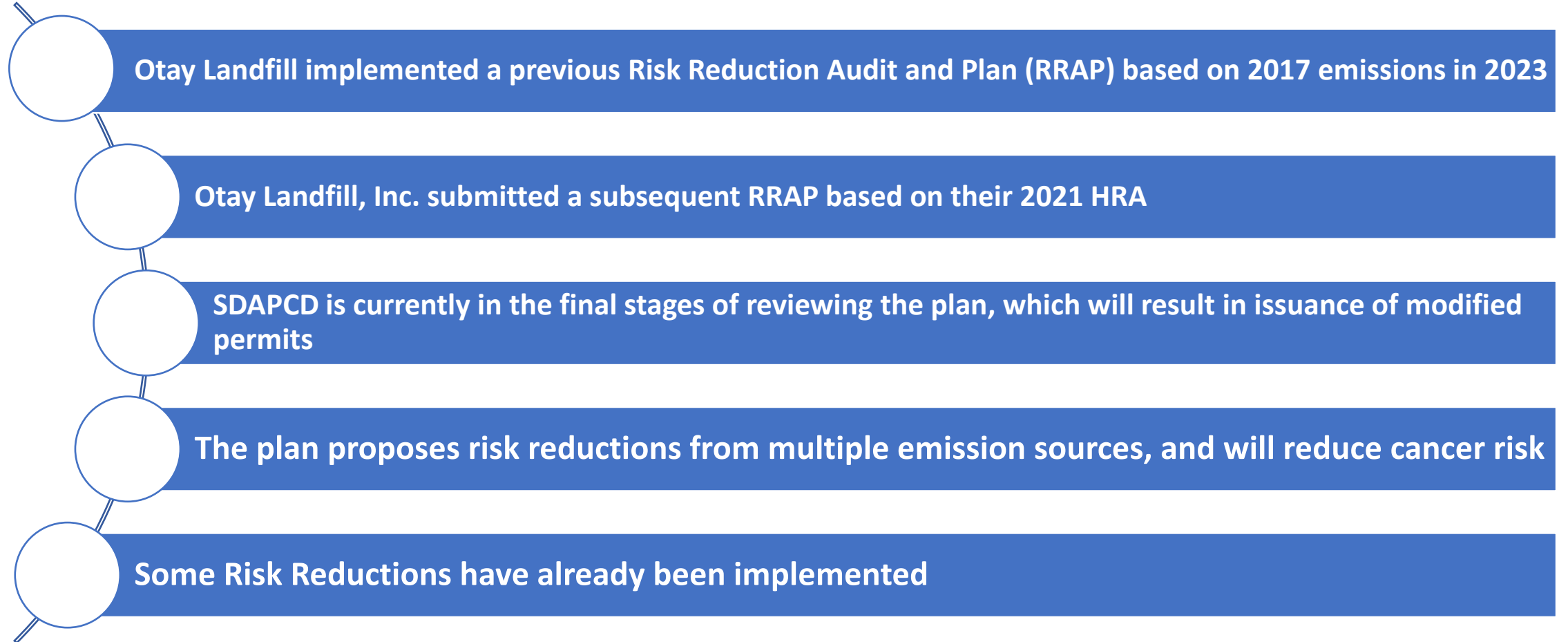


Emission Contributions

Maximum Residential Cancer Risk 20.2 in One Million



Risk Reduction Audit and Plan



Proposed Risk Reduction Measures

	Cancer Risk (per million)	Rule Requirement Cancer Risk (per million)
2021 HRA Risk	20.2	
Proposed Reductions	12.75	
Proposed Risk	7.45	<10

✓ Risk is proposed to be reduced below threshold



Proposed Emissions Reductions

Cancer Risk



Increased Haul Road Watering Schedule

- Lowers risk from haul roads by reducing dust (particulate emissions)
- **Implemented in 2023**



Reducing Onsite Vehicle Speeds

- Reducing vehicle speeds from 15 mph to 10 mph reduces unpaved haul road emissions
- **Signs already updated, still under review as a Risk Reduction Measure**



Proposed Emissions Reductions

Cancer Risk



Replacing Tipper Diesel Engines

- Replacing specific older diesel engines with new, cleaner, lower emitting engines
- **Engines already replaced**



Replacing the Flare

- The Flare will be replaced with an ultra-low emission flare
- Will include verification/testing of reduced emissions, including the arsenic emissions which contribute most to Risk



Land Use Changes since 2021 also have health risk impacts

Recently, and including since 2021, new developments have been constructed around Otoy Landfill

These developments are exposed to the emissions from Otoy Landfill.

Most relevant to the HRA and Risk Reduction Plan, the development circled in green was added since 2021

Potential health risks in this area are part of the reason the revised Risk Reduction Plan was required, and the plan must demonstrate future risks to this are below the 10 in one million threshold



Next Steps



SDAPCD anticipates completing review of Risk Reduction Plan in 2026

Plan approval will include revisions to permits to include timelines and enforceable metrics to implement risk reductions

Otay Landfill will notify and host a public meeting annually until the Risk Reduction Plan is fully implemented

Otay Landfill's toxic emissions from 2025 are currently under review



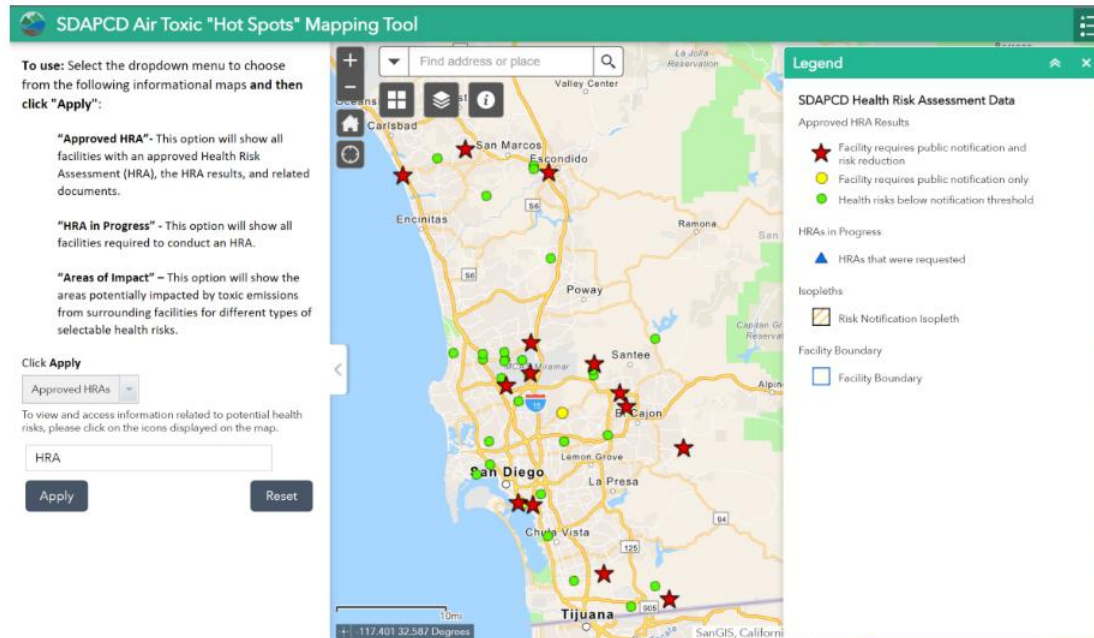
Stay Informed

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





San Diego County
**Air Pollution
Control District**



For More Information

Marco Cervantes 619.332.9021

MCervantes2@republicservices.com