



San Diego County Air Pollution Control District

National Steel and Shipbuilding Co (NASSCO)

Public Meeting

January 21, 2025



Background Air Toxics “Hot Spots” Program



Background

Air Toxics “Hot Spots” Program

Health Risk Assessment

- As per State law, NASSCO was required to conduct a Health Risk Assessment based on 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, NASSCO has reduced the cancer risk by almost 50% compared to the cancer risk calculated in their last Health Risk Assessment conducted for their 2017 emissions. However, NASSCO was required to conduct public notification and to submit a risk reduction plan for their 2021 emissions by March 26, 2025



Elevated Health Risks NASSCO's 2021 Emissions

Health Risk	2021 HRA Results	Risk Notification Thresholds	Risk Reduction Thresholds
Maximum Residential Cancer Risk	28.4 in one million	10 in one million	10 in one million
Maximum Worker Cancer Risk	4.96 in one million		
Chronic Non-Cancer Health Hazard Index	Resident – 0.70 Worker – 1.07	1	1
Acute Non-Cancer Health Hazard Index	Resident – 1.19 Worker – 1.41	1	1





NASSCO

- Shipyard
- 2798 East Harbor Drive, San Diego 92113



NASSCO Equipment

Coating Operations

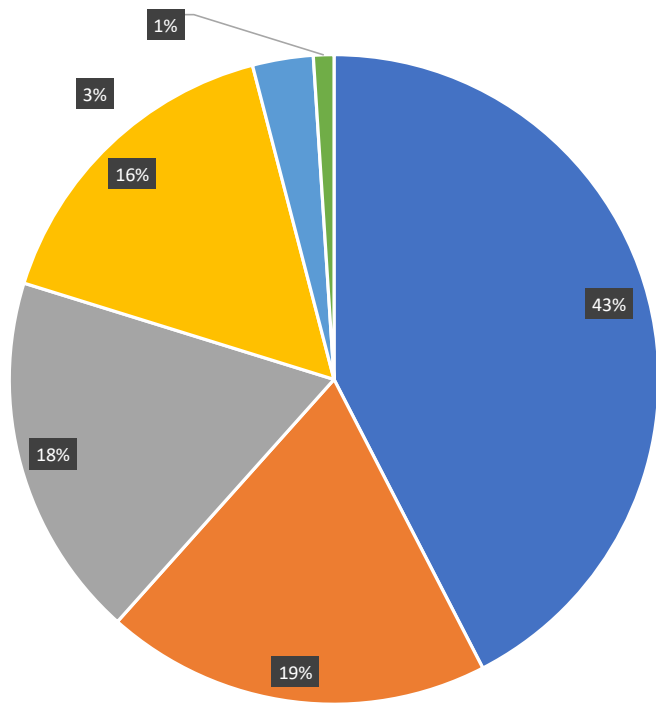
Abrasive Blasting

Welding

Diesel Engines

Emission Contributions

Maximum Residential Cancer Risk 28.4 in One Million

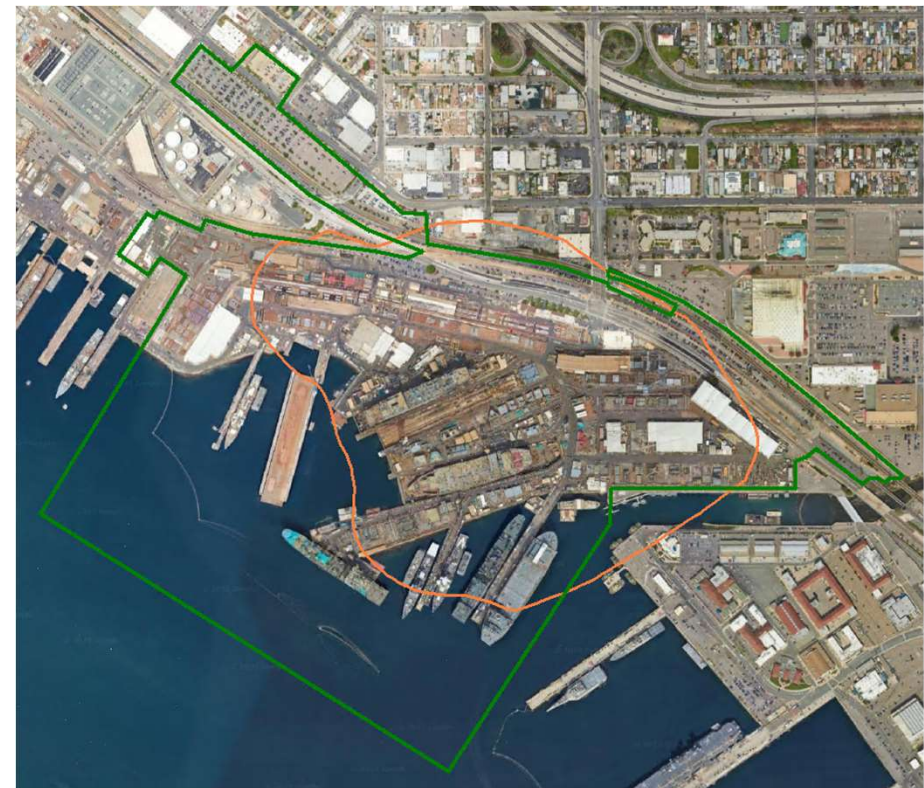
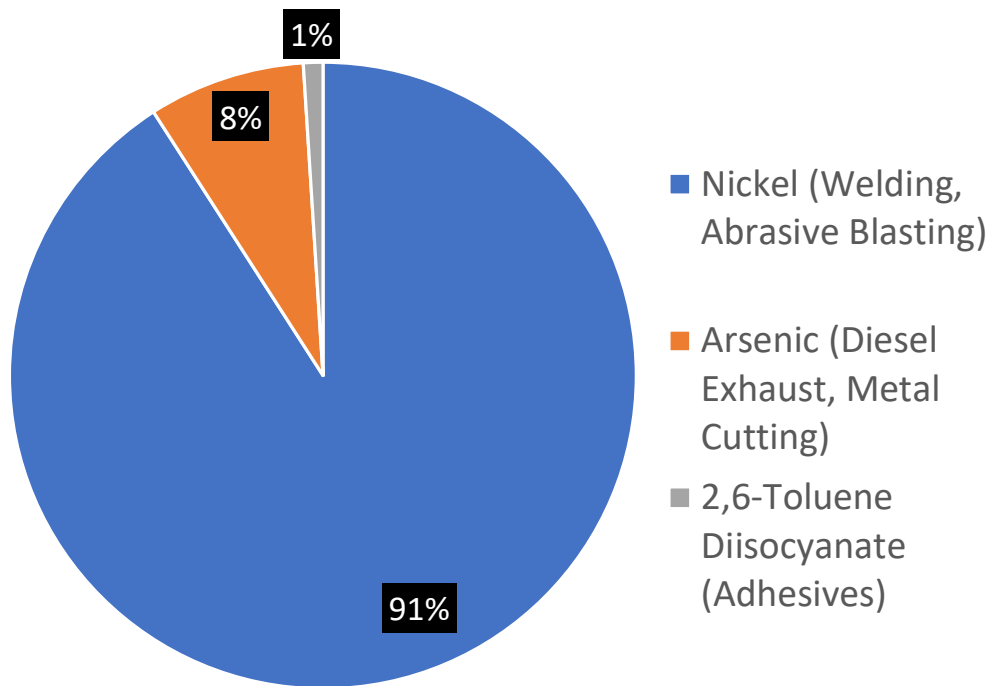


- Hexavalent Chromium (Welding)
- Nickel (Welding, Abrasive Blasting)
- Ethylbenzene (Coating)
- Diesel Particulate Matter (Diesel Exhaust)
- Arsenic (Diesel Exhaust, Metal Cutting)
- Naphtalene (Coating)

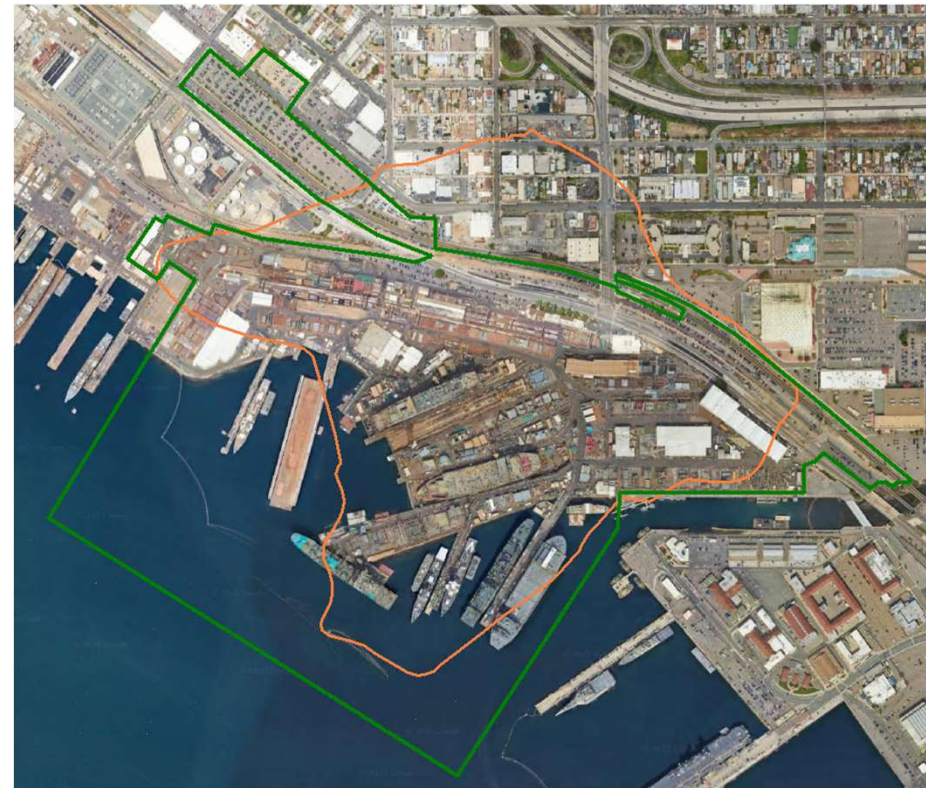
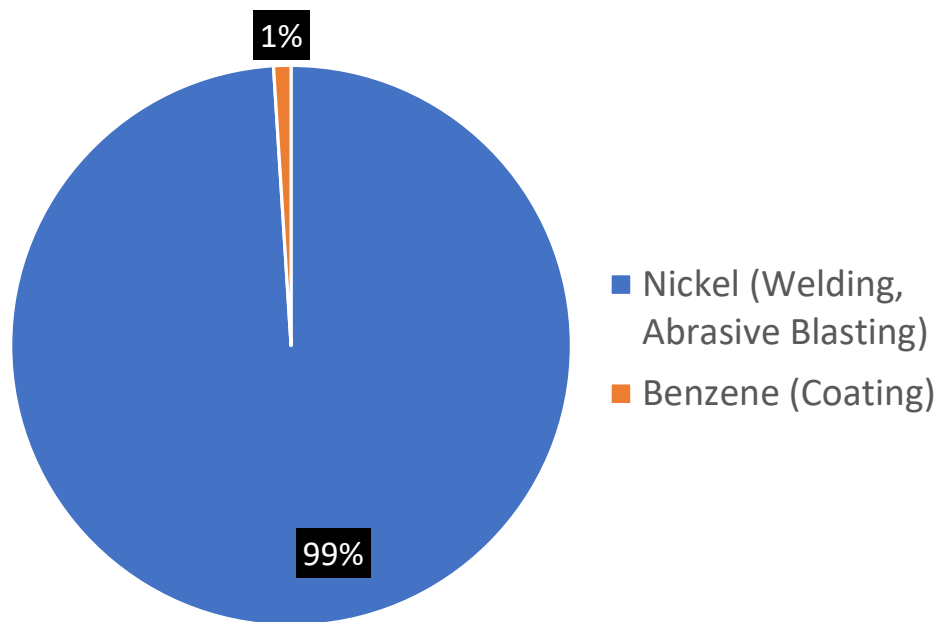


Emission Contributions

Maximum Worker Chronic Non-Cancer 1.07



Emission Contributions Maximum Acute Non-Cancer 1.41



Next Steps



NASSCO is required to submit a Risk Reduction Audit and Plan (RRAP) based on their 2021 HRA by March 26, 2025

The Plan must demonstrate reduction of health risks below applicable thresholds of Rule 1210. RRAP will be made available for public review and comment

NASSCO will be required to provide progress reports on risk reduction annually until health risks are reduced below the thresholds



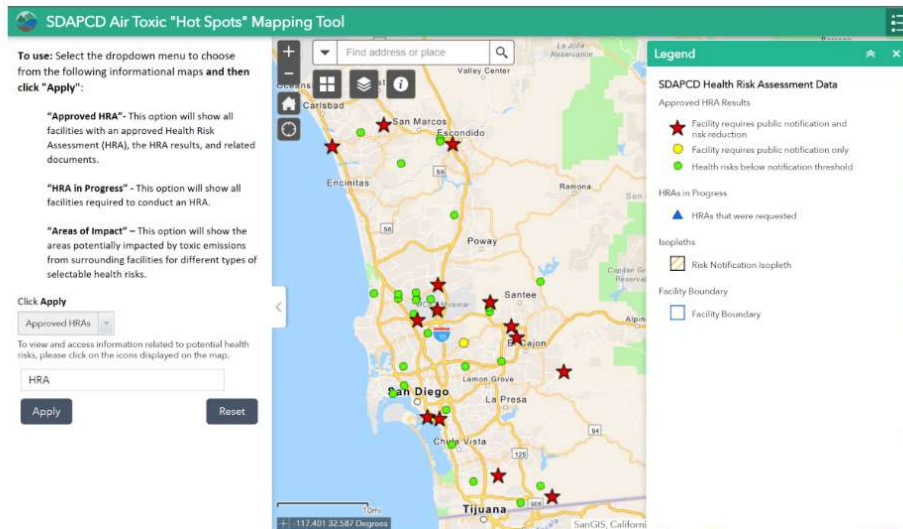
Stay Informed

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

