

Toxics Release Inventory (TRI) Overview

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SEPA Overview

- Background and history
- What information does TRI include?

- TRI facilities on or near tribal land
- Tools and resources
- Demo of how to explore the TRI data



Why was the Toxics Release Inventory created?

- Bhopal, India December 1984
 - Methyl isocyanate gas accidentally released from a facility. Thousands died.
- Institute, West Virginia August 1985
 - Chemical release at a similar facility in the U.S.
- Increased concern in the U.S. about chemical accident preparedness and availability of information on chemicals used in industrial facilities
- In 1986, Emergency Planning and Community Right-to-Know Act (EPCRA). Section 313 established the Toxics Release Inventory.



Bhopal memorial for those killed and disabled by the 1984 toxic gas release

EPA What is the Toxics Release Inventory (TRI)?

An information resource that can help communities learn about toxic chemical waste management at industrial facilities across the U.S.

+008

individual chemicals and chemical categories



21,000+

industrial and federal facilities

since 1987

annual reporting directly from facilities

SEPA

What Information do facilities report?

• TRI is a public database that is updated annually and includes facility-level data on:



Releases



Waste transfers



Recycling & Treatment



Pollution prevention

EPA Which facilities must report to TRI?

A facility must report to TRI if it:

Is in a TRI-covered industry sector, including:



Manufacturing



Coal/Oil Electricity Generation



Certain Mining **Facilities**



Hazardous Waste Management



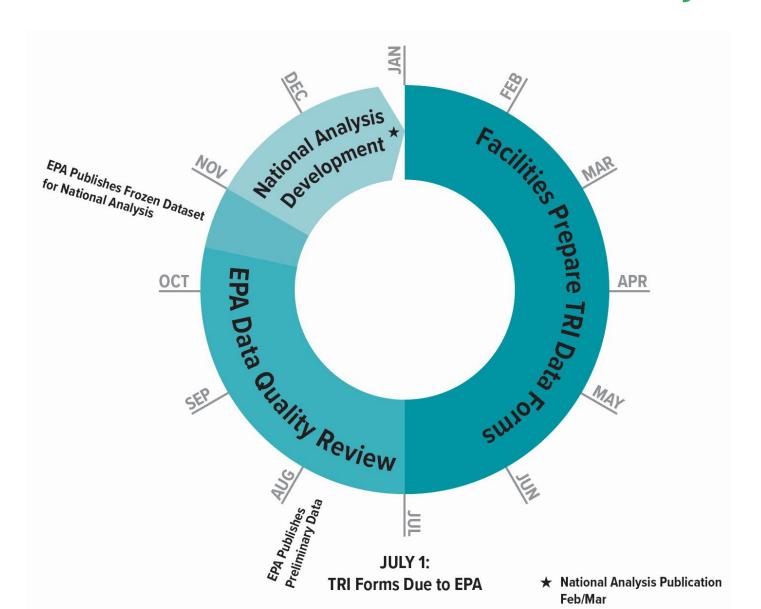
Federal Facilities

- Has the equivalent of 10 or more full-time employees
- Manufactures, processes or uses more than a certain amount of a TRI-listed toxic chemical per year

EPA TRI Data – What it is and is not

- TRI release data is independent of compliance with other laws
 - Reporting facilities must comply with environmental requirements such as those under the Clean Air Act and the Clean Water Act, in addition to reporting releases to TRI.
- Data is limited to certain facilities and certain chemicals
 - Many industry sectors and chemicals are covered by TRI, but not all.
- Reporting zero releases is possible
 - Reporting is triggered based on what you use, not what you release.
- Releases do not necessarily indicate risk
 - Many factors contribute to health and environmental impacts.

EPA TRI Data are submitted annually





EPA How can tribal communities use TRI data?

Ø IDENTIFY sources of chemical releases that may impact the health of tribal communities

TRACK increases or decreases of chemical releases at facilities located on or near tribal lands

PRIORITIZE opportunities to reduce pollution from facilities located on or near tribal lands

> LEARN if and how facilities are implementing pollution prevention activities to reduce chemical releases

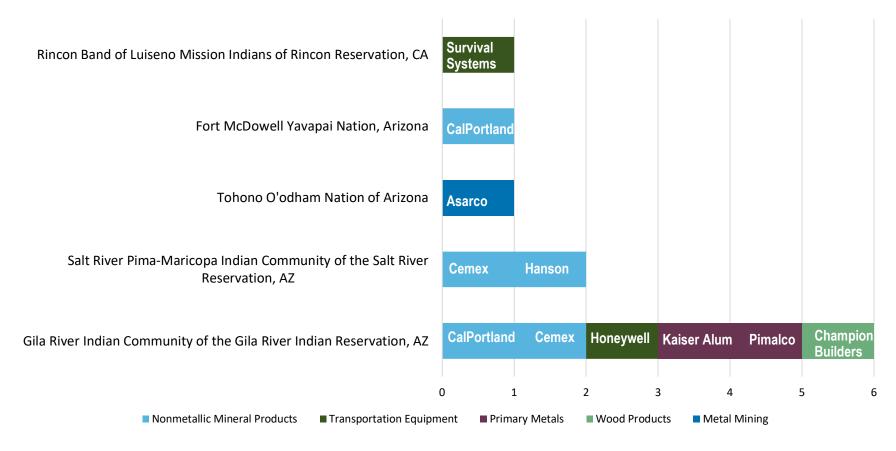
EPA TRI facilities on tribal land, Region 9



 For 2020, 11 facilities located on tribal land (5 tribes) in Region 9 reported to TRI

EPA TRI facilities on tribal land, Region 9

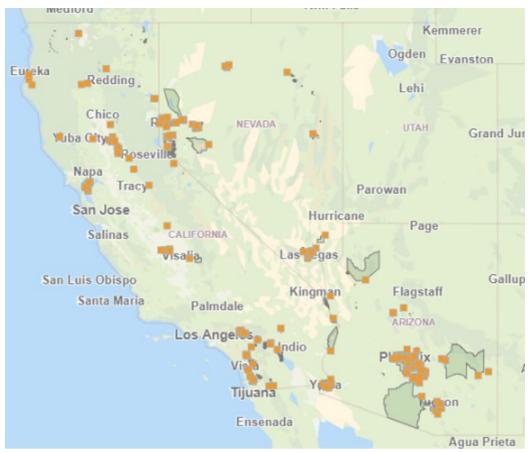
Region 9 Facilities on Tribal Land, 2020





State	Tribe	Industry	Facility Name	Total Releases (lb)	Production- Related Waste Managed (lb)
Arizona	Fort McDowell Yavapai Nation, Arizona	Ready-Mix Concrete Manufacturing	CALPORTLAND CO FOUNTAIN HILLS	0	796
	Gila River Indian Community of the Gila River Indian Reservation, Arizona	Ready-Mix Concrete Manufacturing	CALPORTLAND MARICOPA PLANT	0	0
			CEMEX-SAN TAN PLANT	0	0
		Manufactured Homes	CHAMPION HOME BUILDERS INC	-	-
		Aircraft Engine Manufacturing	HONEYWELL ENGINES SAN TAN	-	-
		Aluminum Products	KAISER ALUMINUM ALEXCO LLC	2	91,217
			PIMALCO (A WHOLLY- OWNED SUBSIDIARY OF ARCONIC)	109	4,930
	Salt River Pima-Maricopa	Ready-Mix Concrete Manufacturing	CEMEX - HIGLEY PLANT	0	0
	Indian Community of the Salt River Reservation, Arizona		HANSON AGGREGATES LLC - DOBSON	256	256
	Tohono O'odham Nation of Arizona	Copper mine	ASARCO LLC MISSION COMPLEX	2,147,985	3,838,162
California	Rincon Band of Luiseno Mission Indians of Rincon Reservation, California	Boat Manufacturing	SURVIVAL SYSTEMS INTERNATIONAL INC	0	0
Total				2,148,352	3,935,361

EPA TRI facilities <u>near</u> tribal land, Region 9

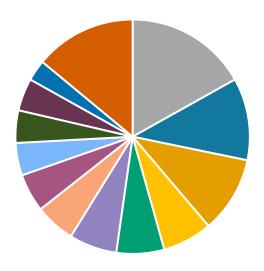


• 379 facilities on or within 10 miles of tribal land (73 tribes) in Region 9 reported to TRI for 2020



EPA Reporting for TRI facilities <u>near</u>* tribal land, Region 9

Many different types of facilities



Fabricated Metals

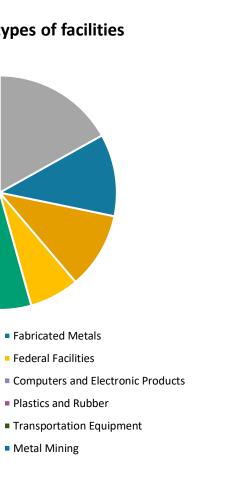
Federal Facilities

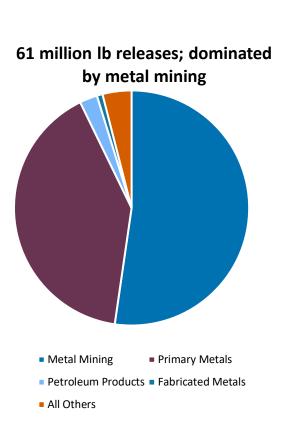
Plastics and Rubber

Metal Mining

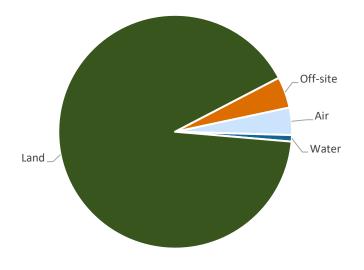
■ Transportation Equipment

- Nonmetallic Mineral Products
- Chemical Mfg
- Food Products Mfg
- Petroleum Bulk Terminals
- Petroleum Products
- Primary Metals
- All Others

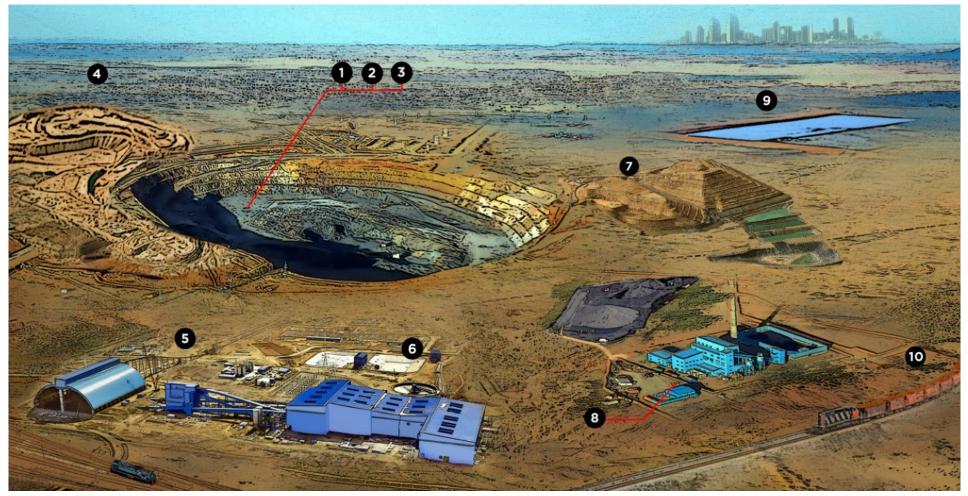




Releases are primarily land disposal



EPA Metal mining and TRI reporting



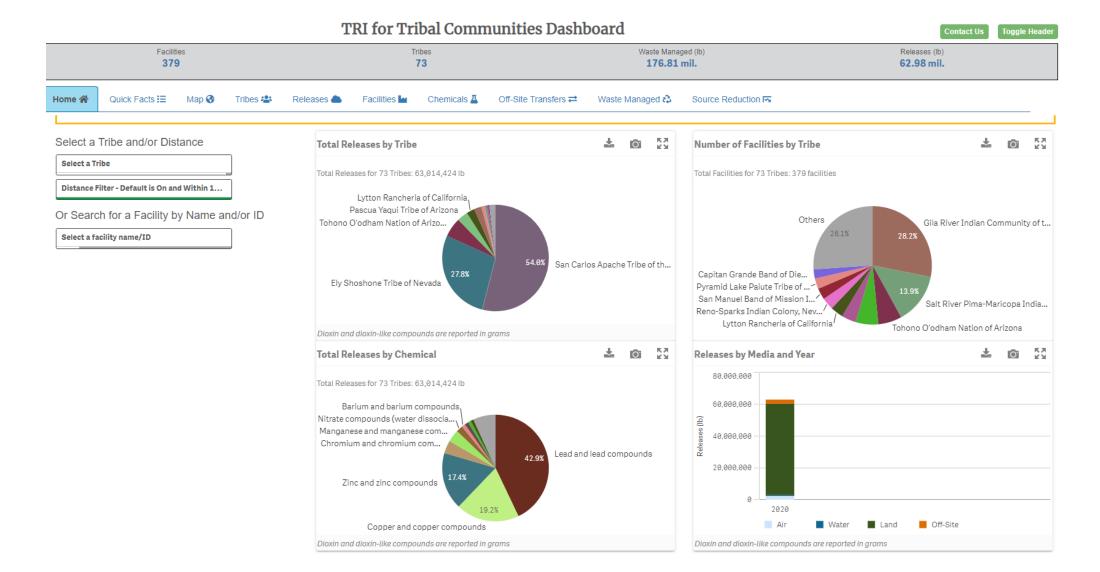
- On-site disposals to land waste rock 4, leach pad 7, metals recovery 8, tailings impoundment 9
- Air releases of TRI chemicals occur in the form of fugitive emissions (such as chemicals in dust created on site) steps 1, 2, 3, 4, 6 and 8
- Stack emissions steps 5, 6 and 8
- https://www.epa.gov/toxics-release-inventory-tri-program/explore-metal-mine-reports-tri-program

EPA Learn more and explore

- TRI website
 - https://www.epa.gov/toxics-release-inventory-tri-program
- From TRI website, scroll down for the TRI Toxics Tracker
 - Tool to explore and visualize the TRI data
- The TRI National Analysis is EPA's annual report on the national TRI data
 - https://www.epa.gov/trinationalanalysis
- TRI for Tribal Communities webpage
 - https://www.epa.gov/toxics-release-inventory-tri-program/tri-tribal-communities
 - Access the TRI for Tribal Communities data exploration dashboard



EPA Demo TRI for Tribal Communities Dashboard





EPA Where can tribes get help with TRI?

- Gene Sylls, Region 9 TRI Coordinator
 - Sylls.Gene@epa.gov, (415) 947-4272
- David Wampler, Region 9 Data Solutions Section Manager
 - Wampler.David@epa.gov, (415) 972-3975
- TRI website
 - https://www.epa.gov/toxics-release-inventory-tri-program
- For questions or comments about the TRI Program or TRI data, email tri.help@epa.gov