

# Region 9 Toxics Release Inventory Data Analysis Reporting Year 2009



# Overview of Region 9 Analysis

1. Top 10 facilities in each state with largest releases of chemicals over Toxics Release Inventory (TRI) Chemical Thresholds.
2. Trends for Top 5 Facilities in Region 9
3. How do I look up TRI information in my neighborhood?
4. What does the TRI data include?
5. What does TRI not include?
6. What do I do if I have a concern?
7. What are some additional tools?

# Top 10 Facilities in Arizona

Facility Name	City	County	Total Releases (Pounds)
ASARCO LLC RAY COMPLEX/HAYDEN SMELTER & CONCENTRATOR	HAYDEN	Gila	20,996,567
FREEPORT-MCMORAN MIAMI INC.	CLAYPOOL	Gila	20,423,690
SPRINGVILLE GENERATING STATION	SPRINGER VILLE	Apache	2,635,628
FREEPORT-MCMORAN SIERRITA INC.	GREEN VALLEY	Pima,	2,421,465
CHOLLA POWER PLANT	JOSEPH CITY	Navajo	2,227,390
CORONADO GENERATING STATION	SAINT JOHNS	Apache	2,115,187
SALT RIVER PROJECT NAVAJO GENERATING STATION	PAGE	Coconino	2,060,692
ASARCO LLC MISSION COMPLEX	SAHUARIT A	Pima	1,756,420
FREEPORT-MCMORAN MORENCI INC.	MORENCI	Greenlee	1,272,976

# Top 10 Facilities in California

Facility Name	City	County	Total Releases (Pounds)
CHEMICAL WASTE MANAGEMENT INC.	BRAWLEY	Kings	14,693,132
WESTERN MESQUITE MINES INC.	BRAWLEY	Imperial	2,732,125
CLEAN HARBORS BUTTONWILLOW LLC	BUTTONWILLOW	Kern	1,919,745
QUEMETCO INC.	CITY OF INDUSTRY	Los Angeles	1,323,053
VALERO REFINING CO - CALIFORNIA BENICIA REFINERY	BENICIA	Solano	14,693,132
CONOCOPHILLIPS SAN FRANCISCO REFINERY	RODEO	Contra Costa	864,949
CHEVRON PRODUCTS CO DIV OF CHEVRON USA INC	EL SEGUNDO	Los Angeles	716,290
BP WEST COAST PRODUCTS LLC CARSON	CARSON	Los Angeles	669,861
CHEVRON PRODUCTS CO REFINERY	RICHMOND	Contra Costa	604,483
MARINE CORPS MCB	CAMP PENDLETON	San Diego	538,596

# Top 10 Facilities in Hawaii

Facility Name	City	County	Total Releases ( Pounds)
HAWAIIAN ELECTRIC CO INC KAHE GENERATING STATION	KAPOLEI	Honolulu	736,963
HAWAIIAN ELECTRIC CO INC WAIAU GENERATING STATION	PEARL CITY	Honolulu	362,360
AES HAWAII INC	KAPOLEI	Honolulu	317,706
US NAVY PEARL HARBOR NAVAL COMPLEX	PEARL HARBOR	Honolulu	269,943
MAUI ELECTRIC CO LTD KAHULUI GENERATING STATION	KAHULUI	Maui	220,123
CHEVRON PRODUCTS CO HAWAII REFINERY	KAPOLEI	Honolulu	213,339
HAWAII ELECTRIC LIGHT CO INC HILL GENERATING STATION	HILO	Hawaii	210,120
HAWAII ELECTRIC LIGHT CO INC PUNA GENERATING STATION	KEAAU	Hawaii	110,008
MAUI ELECTRIC CO LTD MAALAEA GENERATING STATION	KIHEI	Maui	94,413
TESORO HAWAII REFINERY	KAPOLEI	Honolulu	88,412

# Top 10 Facilities in Nevada

Facility Name	City	County	Total Releases (Pounds)
NEWMONT MINING CORP. TWIN CREEKS MINE	GOLCONDA	Humboldt	47,984,557
BARRICK GOLDSTRIKE MINES INC.	ELKO	Elko	41,478,744
NEWMONT MINING CORP. - CARLIN SOUTH AREA	CARLIN	Eureka	28,273,751
NEWMONT MINING CORP. COPPER CANYON FACILITY	BATTLE MOUNTAIN	Lander	20,422,374
CORTEZ GOLD MINES	CRESCENT VALLEY	Lander	19,561,629
ROBINSON NEVADA MINING CO.	RUTH	White Pine	11,127,558
US ECOLOGY NEVADA INC.	BEATTY	Nye	2,569,162
TRONOX LLC	HENDERSON	Clark	1,944,163
SMOKY VALLEY COMMON OPERATION	ROUND MOUNTAIN	Nye	1,593,595
JERRITT CANYON MINE	ELKO	Elko	1,038,716

# Top 5 Facilities in Region 9

Facility Name	Industrial Classification	City, State	Total Releases (Pounds)
NEWMONT MINING CORP. TWIN CREEKS MINE	Gold Ore Mining	GOLCONDA, NV	47,984,557
BARRICK GOLD CORP. GOLDSTRIKE MINE	Gold Ore Mining	ELKO, NV	41,478,744
NEWMONT MINING CORP. SOUTHERN CARLIN MINE	Gold Ore Mining	CARLIN, NV	28,273,751
ASARCO LLC RAY COMPLEX/HAYDEN SMELTER & CONCENTRATOR	Primary Smelting & refining of copper	HAYDEN, AZ	20,996,567
FREEPORT-MCMORAN MIAMI INC.	Copper Ore & Nickel Ore Mining	CLAYPOOL, AZ	20,423,690

# Evaluating Trends Using TRI Data

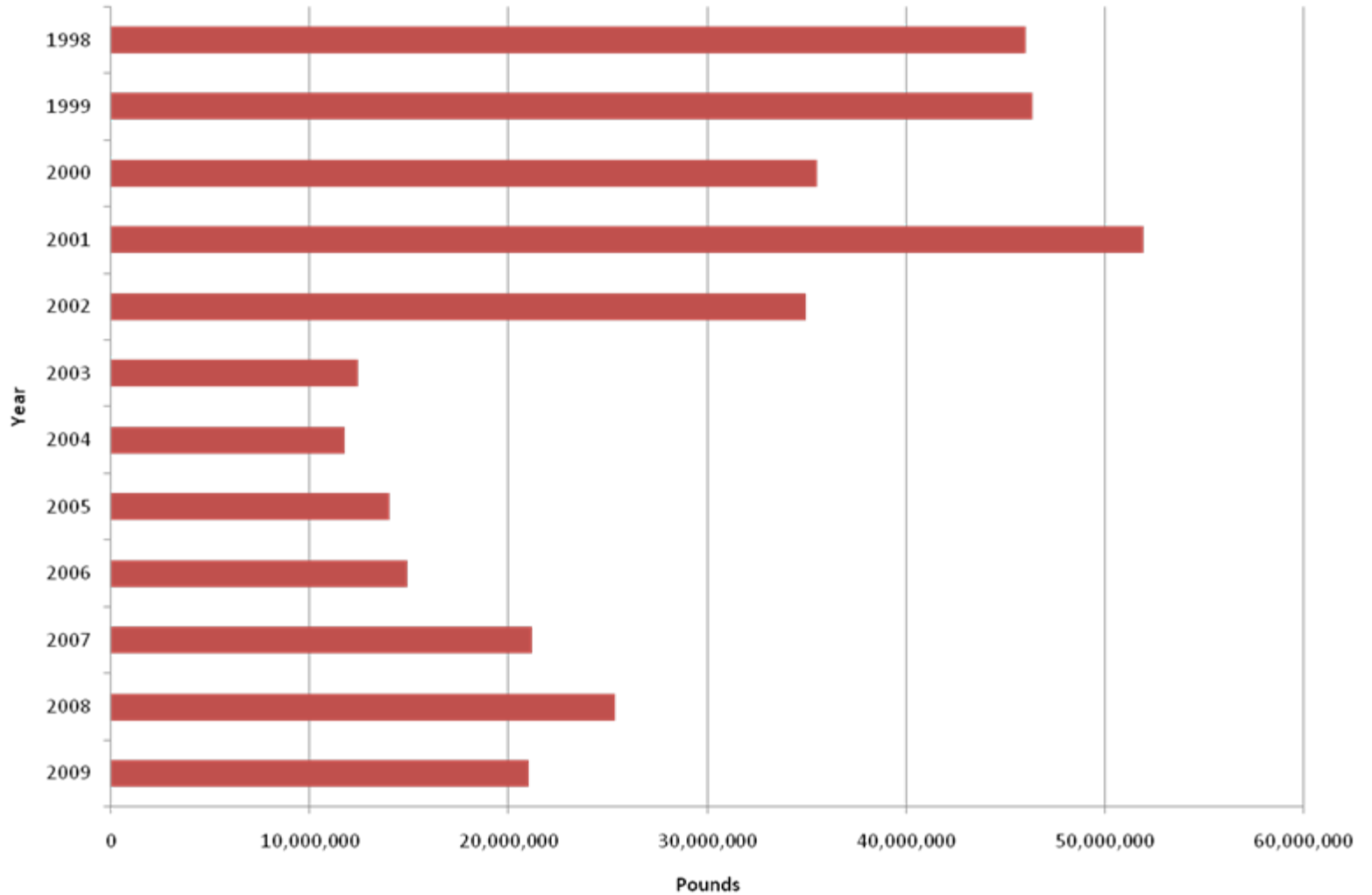
- [EPA's National Analysis](#) includes industry sector profiles and trends analysis
  - Analysis uses the [Federal Reserve Board's production index](#), an economic indicator that measures output from industries
- **Issues to consider when evaluating trends:**
  - Production will vary from year to year at most facilities based on demand and other economic conditions
  - Companies may change processes (substituting one chemical for another or modifying equipment)
  - Not all companies using chemicals are required to report under TRI
  - Facilities that are required to report, but do not, are subject to enforcement under [Emergency Planning and Community Right-to-know Act Section 313 \(TRI\)](#)



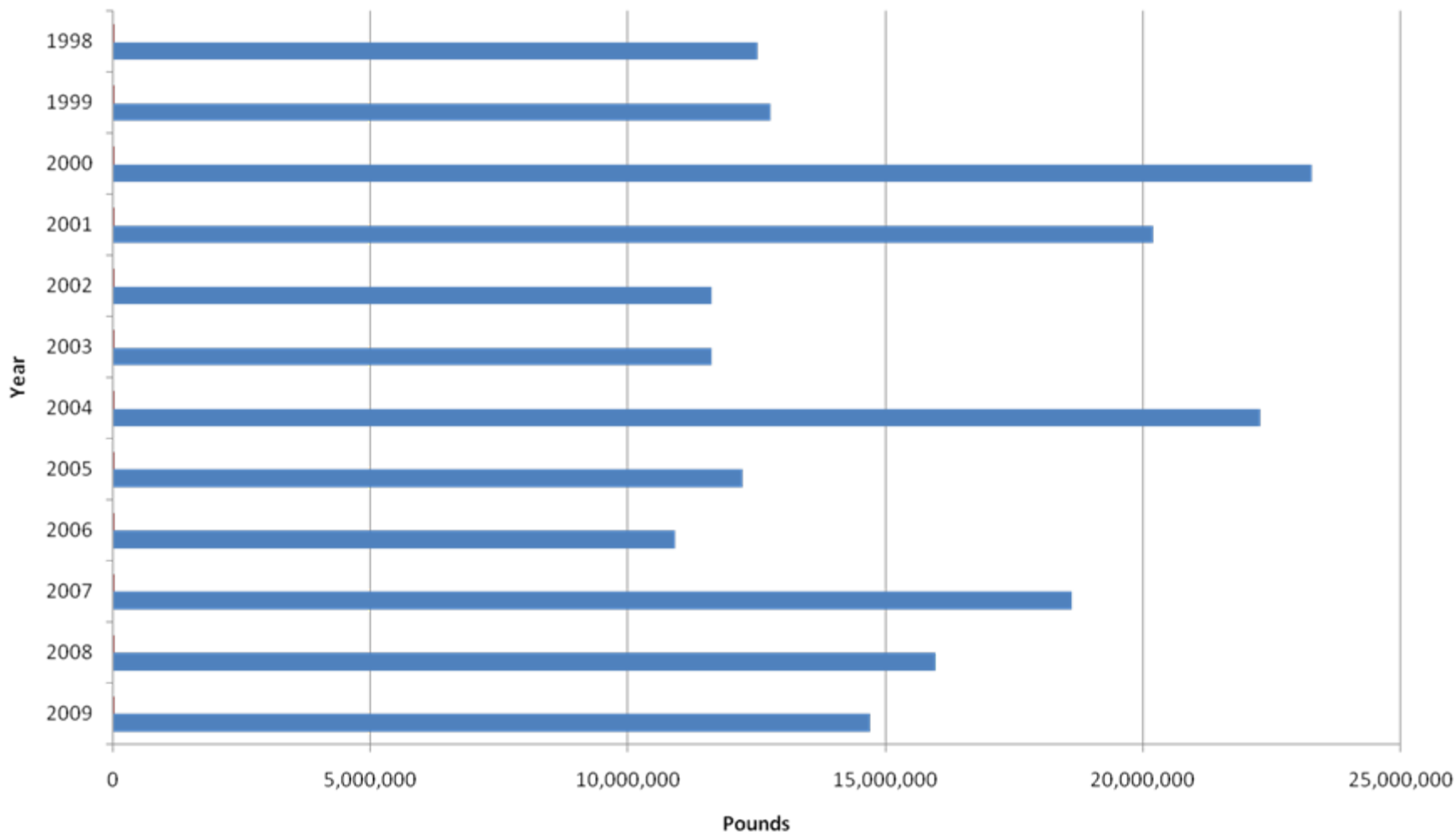
# Top Facility for Each State in Region 9

Facility Name	Industrial Classification	City, State	Total Releases (Pounds)
ASARCO LLC RAY COMPLEX/HAYDEN SMELTER & CONCENTRATOR	Primary Smelting & Refining of Copper	HAYDEN, AZ	20,996,567
CHEMCIAL WASTE MANAGEMENT, INC.	Hazardous Waste Treatment and Disposal	KETTLEMAN CITY, CA	14,693,132
HAWAIIAN ELECTRIC CO. INC. KAHE GENERATING STATION	Electric Bulk, Power and Transmission Control	KAPOLEI, HI	736,963
NEWMONT MINING CORP. TWIN CREEKS MINE	Gold Ore Mining	GOLCONDA, NV	47,984,557

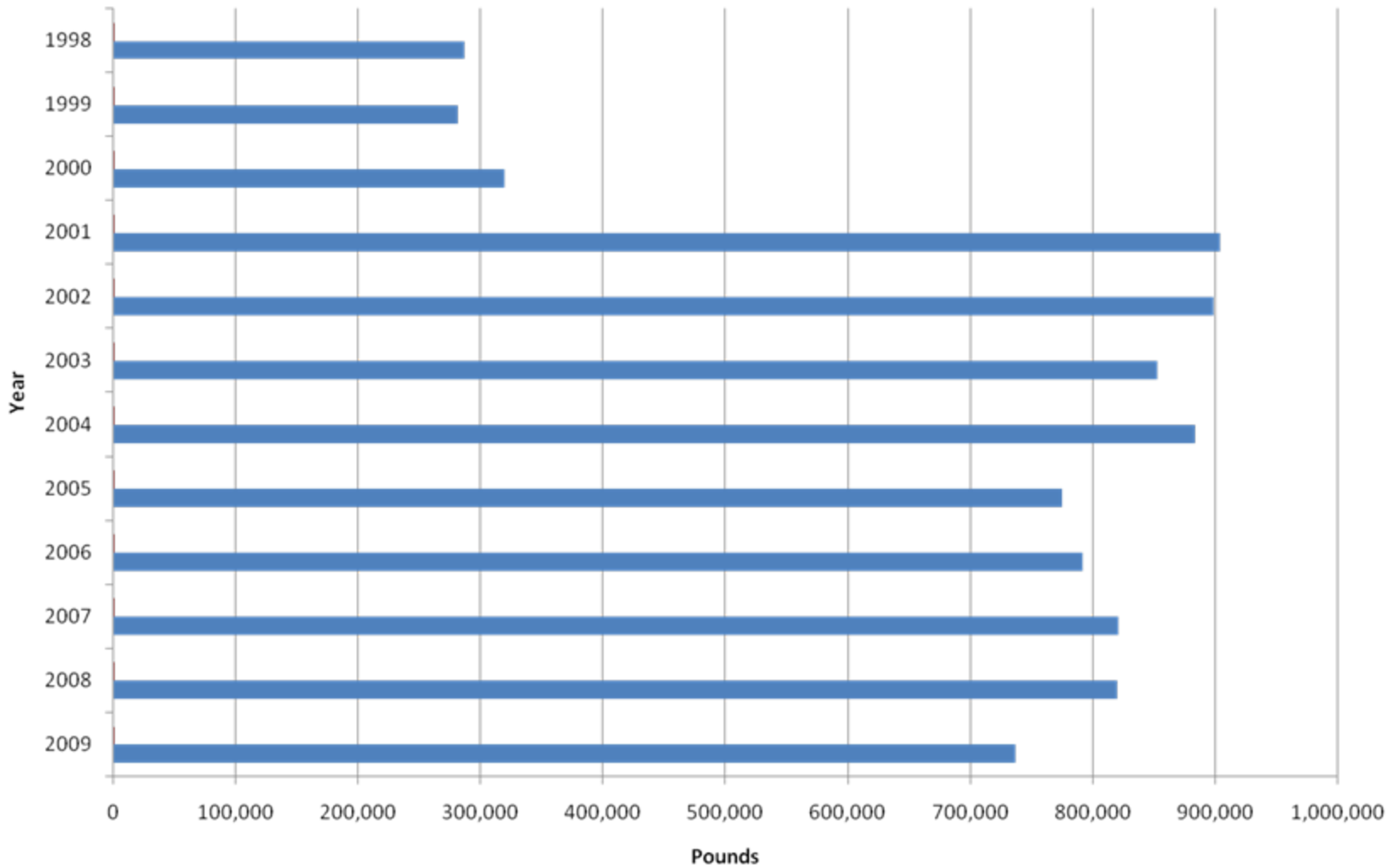
**Asarco LLC Ray Complex/Hayden Smelter & Concentrator  
Hayden, AZ  
Total Releases (1998 - 2009)**



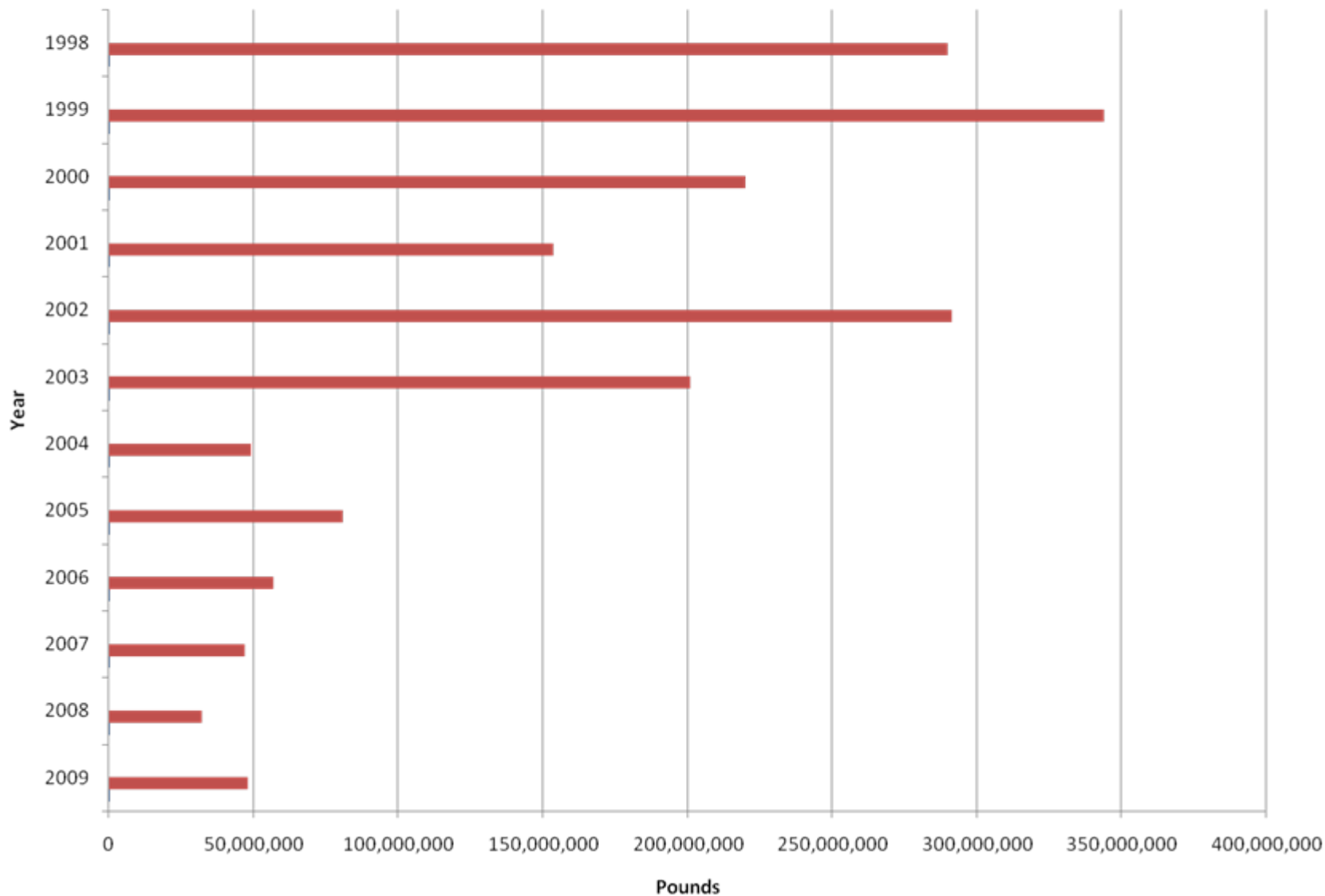
**Chemical Waste Management, Inc.  
Kettleman City, CA  
Total Releases (1998 - 2009)**



**Hawaiian Electric Co. Inc. Kahe Generating Station  
Kapolei, HI  
Total Releases (1998 - 2009)**



**Newmont Mining Corp. - Twin Creeks Mine  
Golconda, NV  
Total Releases (1998 - 2009)**



# What does the TRI data tell you?

- TRI data is available online and provides information on facilities that release chemicals above thresholds
- Tools can be used to look at the amounts, type of chemicals and releases reported by facilities over the years as well as to compare releases by industry, year, and location.
- TRI can be used as a starting point to identify potential hazards in your neighborhood.

# What does TRI not include?

- TRI cannot be used to calculate risk as key risk information such as exposure are not available. See [FAQs](#) regarding TRI and risk
- TRI does not include all releases from all companies. Only includes releases for companies that are required to report [TRI-listed](#) chemicals
- Companies must report to TRI if they meet all three criteria:
  - TRI-listed industry
  - 10 or more employee equivalents
  - [Above threshold for TRI chemicals](#)

# What do I do if I have a concern?

Situations will vary but the following people/groups should be able to help:

- [Facility Representative](#) (contact info in TRI)
- [Local health department](#) or [local political representative](#)
- [State Air Quality District](#)
- [EPA or State TRI Coordinator](#)



# Additional EPA Data Sources and Tools

- [TRI Program Data and Tools](#), a variety of applications and online databases to analyze, map, compare and access TRI data
- [Risk-Screening Environmental Indicators \(RESI\) Tool](#) used to rank relative risk among facilities in a particular area
- [FedCenter's My Community / My Facility Page](#), provides numerous data systems for looking up information in your neighborhood