

## San Diego County Releases

In 2010, 34 facilities reported a total of 1,000,000 pounds of toxic chemical releases. San Diego County's total reported on-site and off-site releases increased 14% (77,439 pounds), when compared to 2009 data.

### Total Releases for Reporting Years 2008 – 2010

Year	Air	Water	Underground Injection	On-Site Land	Off-Site
2008	490,4981	14,935	40,606	523,597	143,989
2009	418,61652,410		27,668	477,752	91,236
2010	322,13948	35626,956	522	,820	123,607

## What is a Release?

A Toxics Release Inventory (TRI) "release" is defined as the amount of a toxic chemical released on-site (to air, water, underground injection, landfills, and other land disposal) and the amount transferred off-site for disposal; it is measured in pounds, unless stated otherwise.

## Releases to the Environment

**Air:** Air releases decreases 23% (96,477 pounds) since 2009.

**Water:** Water releases decreases 7% (4,054 pounds) since 2009.

**Underground Injection:** decreased 3% (712 pounds) since 2009.

**On-Site Land:** Land releases increased 9% (45,068 pounds) since 2009.

**Off-site:** Off-site releases increased 35% (32,371 pounds) since 2009.

## Facilities with Largest Chemical Releases

The top ten facilities in San Diego County for total on-site and off-site releases of all chemicals were the following:

	Facility Name	Air	Water	Underground Injection	Land	Off-site Releases	Total Releases (pounds)	% of Total
1	US DOD MARINE CORPS BASE CAMP PENDLETON	921	-	-	194,151	194,151	195,073	87%
2	US DOD MARINE CORPS AIR STATION MIRAMAR	-	-	-	26,293	26,293	26,293	12%
3	ROHR INC DBA GOODRICH AERO-STRUCTURES GROUP	1	0	-	-	-	1,014	0%
4	US NAVAL BASE SAN DIEGO	0	-	-	-	-	202	0%
5	US NAVY NAVAL SUBMARINE BASE SAN DIEGO	-	-	-	-	-	187	0%
6	US NAVY NAVAL AIR STATION NORTH ISLAND	0	-	-	-	-	130	0%
7	KYOCERA AMERICA INC	-	-	-	-	-	95	0%
8	GENERAL DYNAMICS (NASSCO)	-	-	-	-	-	73	0%
9	ROCKWELL COLLINS OPTRONICS	-	-	-	-	-	23	0%
10	USNAVALAMPHIBIOUS BASE SMALL ARMS RANGE (PART)	-	-	-	-	-	20	0%

Note: "0%" means less than 0.5%.

Note: If no release amounts are shown, this means the facility manufactures, processes, or otherwise uses above threshold amounts of the chemical, which triggers a requirement to report. It may still have no releases.

In determining release quantities for metal compounds, facilities only consider the primary metal portion of the compound. For instance, a facility reporting for lead compounds only reports the lead portion of the lead compounds released.

## Top 10 Released Chemicals

The top released chemicals based on total on-site and off-site releases in San Diego County were the following:

	Chemical	Total Releases (pounds)	Percentage of Total Releases
1	NITRATE COMPOUNDS	235,460	22%
2	LEAD COMPOUNDS	195,258	19%
3	COPPER	187,309	18%
4	N-BUTYL ALCOHOL	70,946	7%
5	ACETONITRILE	60,257	6%
6	1,2,4-TRIMETHYLBENZENE	50,775	5%
7	LEAD	31,339	3%
8	ETHYLENE GLYCOL	29,026	3%
9	DICHLOROMETHANE	27,753	3%
10	COPPER COMPOUNDS	25,884	2%

## PBT Chemical Releases

Starting in 2000, EPA established more stringent reporting thresholds for persistent bioaccumulative toxic (PBT) chemicals originally on, or added to, the TRI chemical list. PBT chemicals are of particular concern not only because they are toxic, but also because they remain in the environment for long periods of time, are not readily destroyed, and build up or accumulate in body tissue. The TRI PBT chemicals include dioxin and dioxin-like compounds, lead and lead compounds, mercury and mercury compounds, polycyclic aromatic compounds (PACs), polychlorinated biphenyls (PCBs), and certain pesticides, among other chemicals.

Chemical	Total Releases (pounds)	Percentage of Total Releases
LEAD AND LEAD COMPOUNDS	223,135	100%
POLYCYCLIC AROMATIC COMPOUNDS	1.3	0%
BENZO (G,H,I) PERYLENE	0.0	0%
MERCURY	0.0	0%

Note: "0%" means less than 0.5%.

## Facilities with Largest PBT Releases

The top nine facilities in San Diego County for total on-site and off-site releases of PBT Chemicals are:

	Facility Name	Sum of Total Releases	Percentage of Total Releases
1	US DOD MARINE CORPS BASE CAMP PENDLETON	195,073	44%
2	US DOD MARINE CORPS AIR STATION MIRAMAR	26,293	6%
3	ROHR INC DBA GOODRICH AEROSTRUCTURES GROUP	1,014	0%
4	US NAVAL BASE SAN DIEGO	202	0%
5	US NAVY NAVAL SUBMARINE BASE SAN DIEGO	187	0%
6	US NAVY NAVAL AIR STATION NORTH ISLAND	130	0%
7	KYOCERA AMERICA INC.	95	0%
8	GENERAL DYNAMICS (NASSCO)	73	0%
9	ROCKWELL COLLINS OPTRONICS	23	0%
	GRAND TOTAL	223,090	50%

Note: "0%" means less than 0.5%.

## On-line Access

For more information, see:

[www.epa.gov/tri](http://www.epa.gov/tri)

(For national TRI information)

[www.epa.gov/region09/tri](http://www.epa.gov/region09/tri)

(For Regional TRI information)

Or contact Lily Lee, Toxic Release Inventory Coordinator, US EPA Region 9, at [lee.lily@epa.gov](mailto:lee.lily@epa.gov) or 415-947-4187.

Release data alone are not sufficient to determine exposure or to calculate potential risks to human health and the environment. TRI data, in conjunction with other information, such as the toxicity of the chemical, the release medium (e.g., air), and site-specific conditions, can be used as a starting point in evaluating exposures that may result from releases of toxic chemicals.