



U.S./Mexico Border Report

California Section: 2005 Toxics Release Inventory

U.S. EPA Region 9
*Arizona, California,
Hawaii, Nevada, the
Pacific Islands, and
Tribal Nations*

California Section of the U.S./Mexico Border

This Report provides data from the Toxics Release Inventory (TRI) for the facilities in California that are located within 100 kilometers (using 126 zip code areas) of the U.S./Mexico Border. The EPA has made public the 2005 data on the toxic chemicals that were released to the air, water, and land of California's Border region.*

Releases and Risk

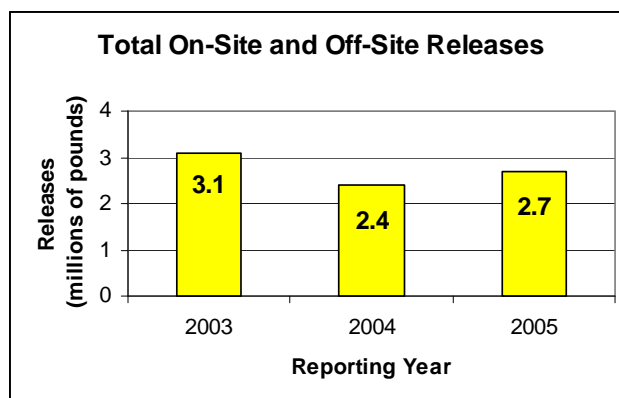
Release is defined as the amount of a toxic chemical released on-site (to air, water, underground injection, landfills, and other land disposal), and the amount transferred off-site for disposal.

It is important to note that releases should not be directly equated with risk. To evaluate risk, release data must be combined with information about chemical toxicity, site-specific conditions, and exposure. In addition, this data does not indicate whether a facility is violating environmental laws. Many of the substances reported through this program are subject to state and federal regulations designed to protect human health and the environment.

A facility is subject to TRI reporting requirements if it: has ten or more full-time employees; is classified under a reportable Standard Industrial Classification (SIC) code; and manufactures, processes, or otherwise uses any of the listed toxic chemicals in amounts greater than the threshold quantities. For most chemicals the thresholds are 25,000 pounds for manufactured or processed, and 10,000 pounds for otherwise used.

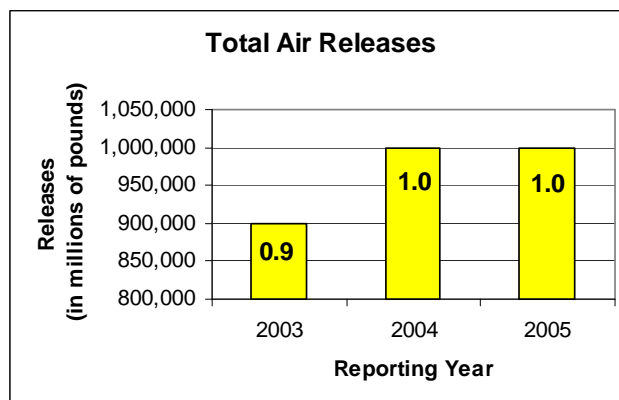
Chemical Releases

Total reported on-site and off-site releases in the Border area of California during the past three years are:**



In comparison to the rest of the state of California, the Border area of California comprises only 6% of the state's total 46.3 million releases.

Total reported air releases in the Border area of California during the past three years are:



* No adjustments were made to account for double counting that could occur as a result of off-site transfers of some TRI facilities also being reported as on-site releases at permitted hazardous waste landfills and other TRI facilities that receive the on-site transfers.

** Year to year data comparisons do not reflect changes in reporting requirements.

Trends in Chemicals Released

In 2005, 93 facilities in the Border area of California reported releases of approximately 2.7 million pounds of toxic chemical to the TRI Program. The following chart tracks releases to the environment for reporting years 2003 through 2005.

Total Releases for Reporting Years 2003 - 2005					
Year	Air	Water	On-Site Land	Under-ground Injection	Off-Site
2003	898,521	314,896	201,207	0	1,674,196
2004	1,038,276	309,586	204,646	0	848,078
2005	1,047,441	330,660	409,655	0	953,309

Largest Releases by Industry Type

During 2005, five industries account for 85% of the total 2.7 million pounds of reported releases in the Border area of California. They are:

Industry	Percentage of Total Releases
Manufacturing Industries	32%
Federal Facilities	27%
Ship Repair & Building	11%
Beet Sugar	10%
Electricity Generation	5%

Largest Releases by Chemical Type

The top five chemicals released in the California Border area in 2005, ranked by total on-site and off-site releases, are:

Chemical	Release (pounds)	Percentage of Total Releases
N,N Dimethylformamide	724,671	26%
Ammonia	513,719	19%
Nitrate Compounds	320,272	12%
Copper	211,126	8%
Lead Compounds	182,020	7%

Facilities Releasing Largest Quantities of Chemicals

Ten facilities, listed in descending order, released the largest total on-site and off-site releases in the Border area of California:

1. GE Osmonics (Vista, San Diego County) with 866 thousand pounds (83% n,n-dimethylformamide releases).
2. U.S. Marine Corps MCB Camp Pendleton (Camp Pendleton, San Diego County) with 603 thousand pounds (50% nitrate compound releases).
3. Spreckles Sugar Co Inc (Brawley, Imperial County) with 286 thousand pounds (100% ammonia releases).
4. National Steel & Ship Building (NASSCO) (San Diego, San Diego County) with 284 thousand pounds (51% n-butyl alcohol releases).
5. Sony Electronics Inc. San Diego (San Diego, San Diego County) with 115 thousand pounds (82% ammonia releases).
6. Cabrillo Power LLC Encina Power Plant (Carlsbad, San Diego County) with 96 thousand pounds (nearly 100% ammonia releases).
7. U.S. Marine Corps Chocolate Mountain Aerial Gunnery Range (Niland, Imperial County) with 78 thousand pounds (62% copper releases).
8. Duke Energy Corp South Bay LLC (Chula Vista, San Diego County) with 37 thousand pounds (100% ammonia releases).
9. Illumina Inc (San Diego, San Diego County) with 32 thousand pounds (75% acetonitrile releases).
10. Sumitomo Electric Interconnect Products Inc. (San Marcos, San Diego County) with 30 thousand pounds (98% ethylene glycol releases).

On-line Access

For national information on data releases, see:
<http://www.epa.gov/tri>

The TRI data is available through Envirofacts Warehouse, EPA's premier internet site for distributing environmental information at:

<http://www.epa.gov/enviro>
 or the TRI Explorer tool:
<http://www.epa.gov/triexplorer>

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