



# Toxics Release Inventory Update New Mexico Border Reporting Years 2005 – 2007

**U.S. EPA Region 6**  
Texas, New Mexico,  
Oklahoma,  
Louisiana, Arkansas

-- September 2009

The EPA made public the 2007 data on the toxic chemicals that were released to the air, water, and land of New Mexico’s Border region.\* This report provides data from the Toxics Release Inventory (TRI) for the facilities in New Mexico that are located within 100 kilometers (using 109 zip code areas) of the U.S./Mexico Border.

### What is a release?

A TRI “r lease” 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.

### Releases and health effects

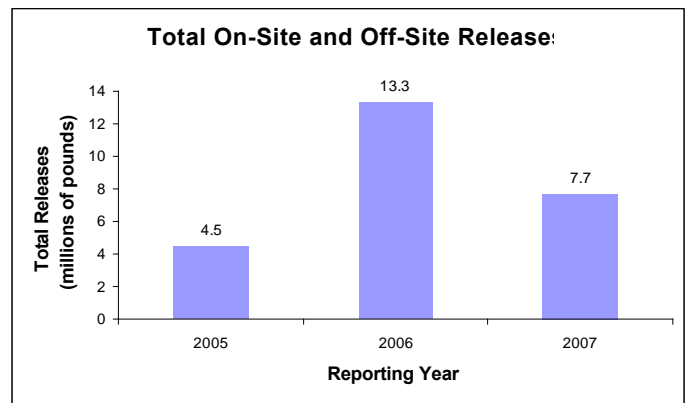
It is important to note that releases should not be directly equated with risk. To evaluate risk, release data must be combined with information about chemical toxicity, site-specific conditions, and exposure. In addition, this data does not indicate whether or not a facility is violating environmental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

### Who is reporting?

A facility is subject to TRI reporting requirements if it has 10 or more full-time employee equivalents (20,000 work hours per year); is classified under a reportable North American Industrial Classification System (NAICS) Code; and manufactures, processes, or otherwise uses any of the TRI chemicals in amounts above established threshold amounts. For most chemicals the thresholds are 25,000 pounds for “manufactured” or “processed,” and 10,000 pounds for “otherwise used.”

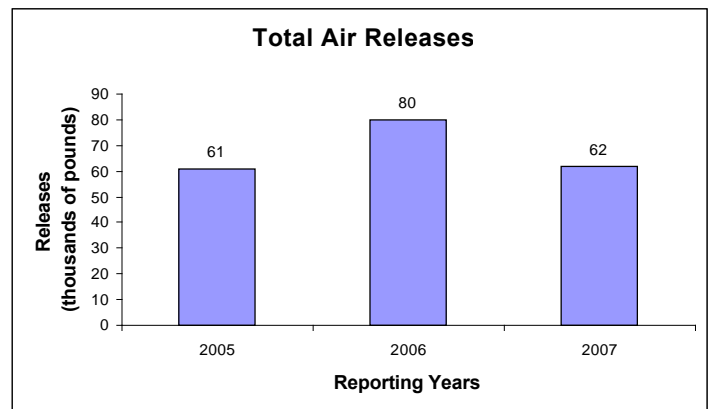
### TRI Chemical Releases

Total (on-site and off-site) TRI chemical releases reported in the New Mexico Border Region during the past three years are displayed in the chart below:\*\*



In 2007, reported releases in the Border area of New Mexico (7.7 million pounds) accounted for about 34% of the State’s 22.6 million pounds of reported releases.

Total reported air releases in the Border area of New Mexico during the past three years are displayed in the chart below:



\* 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 Releases**

In 2007, 8 facilities in the Border area of New Mexico reported releases of approximately 7.7 million pounds of toxic chemicals to the TRI Program. The following chart tracks releases to the environment for reporting years 2005 through 2007.

Total Releases for Reporting Years 2005 - 2007					
Year	Air	Water	On-Site Land	Under-ground Injection	Off-Site
2005	60,626	0	4,453,834	0	4,255
2006	79,930	0	13,236,548	0	11,725
2007	61,555	6,605	7,641,509	0	453

**Largest Releases by Industry Type**

During 2007, three industries account for 99% of the total 7.7 million pounds of reported releases in the Border area of New Mexico. They are as follows:

Industry	Total Release (pounds)	Percentage of Total Releases
Metal Mining	7,104,240	92%
NASA	465,250	6%
Food/Beverages/Tobacco	1,22,263	1.5%

**Largest Releases by Chemical Type**

The top five chemicals released in the New Mexico Border area in 2007, ranked by total on-site and off-site releases, are as follows:

Chemical Name	Total Release (pounds)	Percentage of Total Releases
LEAD COMPOUNDS	5,801,417	84%
COPPER	476,209	7%
CHROMIUM	214,010	3%
MANGANESE	152,626	2%
NITRATE COMPOUNDS	136,263	2%

**Facilities Releasing Largest Quantities of Chemicals**

Eight facilities are listed in descending order for total on-site and off-site releases in the Border area of New Mexico:

	Facility Name	City	Total Releases (pounds)
1	Freeport McMoran Tyrone Inc.	Tyrone	5,816,993 (99% lead compounds)
2	Chino Mines Co.	Hurley	1,287,247 (66% lead compounds)
3	U.S. ARMY Garrison White Sands Missile Range	White Sands Missile Range	465,248 (99% copper)
4	F&A Dairy Products Inc.	Las Cruces	122,263 (100% nitrate compounds)
5	Sterigenics US LLC	Santa Teresa	14,022 (100% ethylene oxide)
6	Rea Magnet Wire CO Inc.	Las Cruces	5,226 (38% phenol)
7	Foamex L.P.	Santa Teresa	102 (100% toluene diisocyanate)
8	NASA Johnson Space Center White Sands Test Facility	Las Cruces	2 (100% lead)

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

The TRI data is available through Envirofacts Warehouse, EPA's 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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