

INTRODUCTION

The fact sheets in this document summarize the basic 1999 Toxics Release Inventory (TRI) data for each state. This document serves as a companion volume to EPA's *1999 Toxics Release Inventory Public Data Release* (EPA 260-R-01-001), a more detailed examination of TRI data for 1999 and previous years.

The TRI is a publicly available database containing information about releases and other waste management of toxic chemicals by reporting facilities. The TRI was established by section 313 of the Emergency Planning and Community Right-to-Know Act (EPCRA) of 1986. EPCRA was passed to promote planning for chemical emergencies and to provide information to the public about the presence and release of toxic and hazardous chemicals in their communities. Following passage of the Pollution Prevention Act of 1990, the TRI was expanded to include reporting of additional waste management and pollution prevention activities.

Facilities in the manufacturing sector (Standard Industrial Classification codes 20 through 39) have been required to report to TRI since its inception. Beginning with reporting year 1994, federal facilities have also been required to report to TRI. Reporting year 1998 was the first year of reporting by seven additional industries:

- metal mining (SIC code 10, except 1011, 1081, and 1094),
- coal mining (SIC code 12, except 1241),
- electrical utilities that combust coal and/or oil (SIC codes 4911, 4931, and 4939),

- RCRA subtitle C hazardous waste treatment and disposal facilities (in SIC code 4953),
- chemical wholesalers (SIC code 5169),
- petroleum terminals and bulk stations (SIC code 5171), and
- solvent recovery services (SIC code 7389).

In the TRI public data release materials, including this volume, reporting by two of these industries—solvent recovery services and RCRA subtitle C hazardous waste treatment and disposal facilities—is analyzed together.

By July 1 each year, facilities must report their estimated amounts of releases and other waste management of toxic chemicals for the preceding calendar year. Facilities provide this information to EPA and to the state in which they are located. For 1999, 23,639 facilities filed 84,068 individual chemical reporting forms. After completion of data entry and data quality assurance activities, EPA makes these data available to the public through on-line databases and a variety of other means, including this report.

For further information about TRI and for assistance in obtaining TRI documents, contact the EPCRA Information Hotline at 1-800-424-9346. For assistance in obtaining access to the data, contact the TRI User Support Service at 202-260-1531. For further information about individual state TRI programs, contact the state TRI coordinator listed at the bottom of the fact sheet for that state.



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TRI DATA BY STATE: OVERVIEW

Tables on the following pages summarize 1999 TRI reporting by state. For 1999, individual tables rank states and summarize their data for:

- **on- and off-site releases** (includes transfers out-of-state for disposal and, for tables with all industries, excludes transfers to disposal sent to other TRI facilities that reported the amount as an on-site release),
- **on-site releases** (includes amounts released at the facility; excludes amounts transferred to other sites for disposal),
- **releases within each state** (includes off-site releases sent into the state by facilities in other locations, excludes transfers out-of-state for disposal, and excludes transfers to disposal sent to other TRI facilities that reported the amount as an on-site release),
- **transfers for further waste management**—sent to recycling, energy recovery, treatment, and Publicly Owned Treatment Works (POTWs)—or for disposal (excluding metals sent to POTWs), and
- **transfers of metals** (and their compounds) and non-metals to POTWs.

Additional tables summarize on-site and off-site releases, as well as on-site releases, separately for new and original reporting industries. Whereas the tables for all industries and the individual state fact sheet pages exclude transfers to disposal sent to other TRI facilities that reported the amount as an on-site release, the tables showing on-site and off-site releases for

original and new industries separately for 1998 and 1999 do not. These include Tables 6, 8, 12, and 14. Similar tables provide comparable data for 1998, 1997, 1996, and 1995. The final tables supply totals for on- and off-site releases for the five-year period, 1995–1999 and for 1988 and 1995–1998. This last table does not include data on chemicals whose reporting requirements have changed during the period 1988 through 1999. Therefore, it does not include delisted chemicals, chemicals added in 1990, 1991, 1994 and 1995, aluminum oxide, ammonia, hydrochloric acid and sulfuric acid.

The following section, “Description of the Fact Sheets,” explains data provided in these summary tables as well as in the individual state fact sheets.

DESCRIPTION OF THE FACT SHEETS

Each four-page state fact sheet provides the following:

State Summary Data (First Page for Each State)

Data are presented for the original industries (those which have been required to report to TRI since its inception and federal facilities), new industries reporting for the first time in 1998, and the total for all industries.

- **Reported Releases and Waste Management Activities:**

- **On- and Off-site Releases:** The amounts of toxic chemicals released to air, water, and land and injected into underground wells (on-site

releases) at reporting facilities within the state and the amounts of toxic chemicals transferred off-site to disposal (off-site releases) by reporting facilities within the state. Off-site releases include transfers to disposal of all TRI chemicals plus transfers of metals and metal compounds to solidification/stabilization, to wastewater treatment (excluding POTWs), and to POTWs. Off-site transfer data exclude amounts sent for disposal to other TRI facilities that report those amounts as on-site releases.

- **Waste Management:** Quantities of TRI chemicals in Production-related Waste Managed by reporting facilities, including recycling, energy recovery, and treatment on-site and off-site, as well as the quantity released on- and off-site. Non-production-related Waste Managed includes quantities released as the result of one-time events, for example, remedial activities or catastrophic events. Non-production-related waste is overstated in this report for all years. Those forms indicating NA for non-production-related waste were assigned one pound erroneously. The total amount overstated is about 4,500 pounds for each year.
- **Transfers Off-site for Further Waste Management/Disposal:** Amounts of TRI chemicals sent off-site whether for further waste management—recycling, energy recovery, treatment, POTWs—or for disposal (off-site releases). For amounts transferred to POTWs, metals and metal compounds are identified separately from non-metals.
- **State map** with triangles and squares marking the location of each facility reporting to the TRI in 1999, specifically squares for new industries and triangles for original industries. Triangles and squares are proportionally sized to represent each facility's total on-site releases.
- **Population and area** of the state, the **number of facilities** reporting to TRI from the state, and the **number of forms** submitted by those facilities. Population statistics for the 50 states and the District of Columbia are 1999 U.S. Census estimates issued in December 1999; the 1999 U.S. Census estimates for American Samoa, Guam, the Northern Marianas, Puerto Rico, and the Virgin Islands were issued May 2000.
- The state's **national rank** (and pounds) for total on- and off-site releases (includes transfers out-of-state for disposal and excludes transfer amounts sent to other TRI facilities reporting that amount as on-site releases), for total on-site releases (includes amounts released at the facility; excludes amounts transferred to other sites), for total releases within the state (includes off-site releases sent into the state by facilities in other locations, excludes transfers out-of-state for disposal and transfers to other TRI facilities in the state reporting that amount as on-site releases), and for total production-related waste managed.
- **Contact** names, telephone numbers, and fax numbers for the state TRI coordinator and for the EPA TRI coordinator for the region in which the state is located.



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Total On- and Off-site Releases is not the same as Quantity Released On- and Off-site. These *State Fact Sheets* present these amounts on the first page for each state. Facilities are also ranked separately in each state for both of these measures of releases.

The difference between these amounts arises primarily from the types of releases reported on different sections of the Form R. Total On- and Off-site Releases reflects all on-site releases collected in Section 5 of Form R plus off-site releases (transfers off-site for disposal) reported in Section 6 (including metals and metal compounds transferred to solidification/stabilization and to wastewater treatment, including POTWs). The Quantity Released On- and Off-site is reported in Section 8.1 of Form R. This quantity reflects production-related releases and excludes releases associated with catastrophic events, remedial actions, and other one-time events not related to production.

Other reasons also contribute to the different quantities reported in different sections of the Form R. For example, a release or transfer of less than 1,000 pounds may be reported in ranges in Section 5 and 6 whereas an exact amount must be included in Section 8. Furthermore, facilities may round off the quantities reported in Section 8 to two significant digits.

In 1999, some facilities reported transfers of metals and metal compounds to solidification/stabilization and to wastewater treatment (excluding POTWs) using incorrect disposal codes in Section 6 of Form R (codes M40 and M61). For the *1999 TRI Public Data Release* and the *State Fact Sheets*, off-site releases include these amounts. These facilities may have reported these transfers in Section 8 as treated off-site rather than incorporating the amounts into Quantity Released On- and Off-site. Because of the differences between Section 6 and Section 8 reporting, EPA cannot correct these Section 8 quantities.

Chemicals and Facilities with Largest Amounts (Second through Fourth Pages for Each State)

Chemicals and facilities are ranked separately for original industries (those which have been required to report to TRI since its inception and federal facilities) and for new industries reporting for the first time in 1998.

- The **10 chemicals released in the state in the largest amounts** (including transfers into the state for disposal and excluding transfers out-of-state for disposal, as well as transfers within the state to other TRI facilities reporting that amount as on-site releases). Ranking of chemicals includes on-site releases (reported in Section 5 of TRI's Form R) and off-site releases (reported in Section 6 of TRI's Form R, including transfers of metals and metal com-

pounds to solidification/stabilization and to wastewater treatment including POTWs). Data on all transfers into, within, and out of the state are also presented.

- The **10 facilities reporting the largest amounts of total on-site releases** of TRI chemicals (reported in Section 5 of TRI's Form R). Ranking of these facilities excludes amounts transferred off-site for disposal, although information on transfers within the state and out of state (reported in Section 6 of TRI's Form R) is provided.
- The **10 facilities reporting the largest total quantities of TRI chemicals released on- and off-site** (reported in Section 8.1 of TRI's Form R). These tables supply data for all categories of production-related waste managed and for non-production-related waste managed.

1999 Toxics Release Inventory



Table 1. TRI On-site and Off-site Releases by State, 1999, All Industries (Ordered by Total Releases)

State	On-site Releases					Total On-site Releases Pounds	Off-site Releases	Total On- and Off-site Releases Pounds
	Fugitive or Nonpoint Air Emissions Pounds	Stack or Point Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	Releases to Land Pounds		Transfers Off-site to Disposal* Pounds	
Nevada	1,529,022	1,868,475	136,431	2,797	1,164,658,138	1,168,194,863	212,998	1,168,407,861
Utah	2,367,919	50,659,560	1,053,343	3,600	1,107,001,696	1,161,086,118	700,851	1,161,786,969
Arizona	2,056,508	3,750,741	6,850	15	956,036,806	961,850,920	1,479,148	963,330,068
Alaska	755,900	1,866,442	96,222	34,946,256	395,352,961	433,017,781	5	433,017,786
Texas	40,646,276	70,118,030	32,518,781	90,728,865	54,241,223	288,253,175	25,612,956	313,866,131
Ohio	17,137,596	131,740,782	6,976,957	27,645,086	70,385,697	253,886,118	49,342,038	303,228,156
New Mexico	765,223	1,096,279	23,236	315	258,220,861	260,105,914	2,170,263	262,276,177
Pennsylvania	10,320,983	99,089,670	49,055,456	0	13,212,611	171,678,720	63,889,870	235,568,590
Indiana	16,490,066	83,764,476	6,894,995	890,265	32,154,583	140,194,385	58,676,327	198,870,712
Illinois	12,705,085	72,426,732	6,712,012	1,200	45,742,016	137,587,045	27,467,852	165,054,897
North Carolina	7,226,691	116,503,555	9,180,497	0	18,805,589	151,716,332	6,634,199	158,350,531
Louisiana	13,399,238	54,912,706	15,116,128	46,838,209	16,602,257	146,868,538	3,284,067	150,152,605
Florida	6,716,995	90,079,086	2,485,101	32,769,162	12,533,448	144,583,792	4,822,828	149,406,620
Tennessee	13,307,188	93,952,741	2,795,230	0	27,019,381	137,074,540	7,236,487	144,311,027
Michigan	7,126,035	69,033,514	1,265,578	2,571,942	17,187,913	97,184,982	45,101,532	142,286,514
Alabama	10,609,742	71,268,825	6,737,096	109,005	40,527,170	129,251,838	8,876,681	138,128,519
Missouri	5,784,836	36,163,652	3,498,327	0	79,628,111	125,074,926	4,665,851	129,740,777
Montana	681,433	5,839,666	36,057	0	120,570,445	127,127,601	491,047	127,618,648
Georgia	7,096,949	95,413,641	7,496,132	0	13,133,711	123,140,433	3,783,848	126,924,281
Kentucky	8,574,398	66,741,346	3,014,626	0	15,537,156	93,867,526	12,337,796	106,205,322
West Virginia	4,388,691	73,112,287	7,909,902	10	11,032,956	96,443,846	4,048,265	100,492,111
Idaho	2,160,507	4,262,059	7,604,261	0	71,613,748	85,640,575	335,764	85,976,339
South Carolina	6,668,796	51,386,856	3,470,358	0	12,152,593	73,678,603	10,382,294	84,060,897
Virginia	7,902,245	52,227,023	4,769,822	0	5,261,968	70,161,058	10,408,547	80,569,605
Mississippi	6,828,837	37,911,770	14,630,863	8,326,762	6,650,849	74,349,081	1,446,777	75,795,858
New York	3,752,970	32,639,776	9,827,638	250	15,634,962	61,855,596	9,958,632	71,814,228
California	13,119,981	17,708,959	5,023,935	34,972	24,464,611	60,352,458	8,693,526	69,045,984
Oregon	4,302,422	12,740,896	3,282,412	0	46,092,057	66,417,787	1,277,969	67,695,756
Wisconsin	3,693,042	33,151,540	3,543,140	0	2,687,321	43,075,043	15,306,734	58,381,777
Iowa	4,834,178	26,787,844	3,973,155	0	7,754,859	43,350,036	5,442,393	48,792,429
Maryland	1,054,715	36,561,530	2,849,575	34,700	2,446,164	42,946,684	1,034,402	43,981,086
Kansas	3,166,216	14,309,860	1,069,907	1,169,028	8,740,886	28,455,897	14,118,161	42,574,058
Arkansas	5,370,869	22,699,419	2,596,193	775,088	5,262,389	36,703,958	4,821,518	41,525,475
Oklahoma	3,953,017	14,373,486	3,063,211	2,566,726	8,899,444	32,855,884	4,213,373	37,069,257
New Jersey	3,348,082	13,103,250	5,396,988	4	2,327,243	24,175,567	7,107,818	31,283,385
Minnesota	3,049,707	12,684,800	1,756,271	0	9,229,586	26,720,364	4,502,223	31,222,587
Washington	3,351,455	16,824,817	3,100,145	0	2,461,889	25,738,306	2,736,609	28,474,915
Nebraska	1,611,170	6,913,557	11,347,161	0	5,029,888	24,901,776	2,365,677	27,267,453
Colorado	1,031,547	3,099,222	3,135,241	143,612	13,683,705	21,093,327	4,991,364	26,084,691
North Dakota	436,806	3,336,877	225,149	0	9,165,021	13,163,853	10,492,060	23,655,913
Wyoming	811,419	1,583,408	18,447	8,082,205	8,290,485	18,785,964	643,814	19,429,778
Puerto Rico	2,271,872	15,017,204	80,784	0	169,867	17,539,727	632,978	18,172,705
South Dakota	594,799	1,791,889	1,582,993	0	7,650,711	11,620,392	508,585	12,128,977
Massachusetts	1,177,063	7,647,860	95,272	0	7,084	8,927,279	2,948,926	11,876,205
Delaware	742,941	5,912,937	1,197,861	0	462,579	8,316,318	3,064,036	11,380,354
Maine	668,061	4,784,660	864,539	0	787,171	7,104,431	744,237	7,848,668
Connecticut	1,456,759	3,258,045	1,012,110	0	21,202	5,748,116	2,087,159	7,835,275
New Hampshire	302,224	4,885,263	125,582	0	74,237	5,387,306	484,648	5,871,954
Hawaii	201,035	2,277,304	2,781	5,070	38,163	2,524,353	50,438	2,574,791
Rhode Island	334,568	736,305	1,306	0	5	1,072,184	318,914	1,391,098
Virgin Islands	244,895	474,262	45,857	0	1,791	766,805	2,108	768,913
Vermont	61,059	89,607	179,767	0	75,500	405,933	240,847	646,780
Guam	121,003	380,013	25	0	67	501,108	0	501,108
District of Columbia	319	79,552	44	0	0	79,915	18,052	97,967
American Samoa	15	5,612	1	0	0	5,628	0	5,628
Northern Marianas	848	2,539	25	0	0	3,412	0	3,412
Total	278,312,216	1,751,052,207	258,881,776	257,645,144	4,746,722,774	7,292,614,117	462,215,492	7,754,829,609

Note: Due to an EPA data entry error, one chemical reporting revision for 1999 by a facility, the US Army Letterkenny Depot in Chambersburg, PA, was not included in this table. At the time of publication, the facility had notified EPA that it anticipated revising off-site transfers to disposal for manganese compounds from 5,584,900 pounds to below 500 pounds. Revisions by this facility of two other compounds are included in the State Fact Sheet tables but not included in the tables in the 1999 TRI Public Data Release report.

* Off-site releases do not include transfers to disposal sent to other TRI facilities that reported the amount as an on-site release.



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Table 2. TRI On-site Releases by State, 1999, All Industries (Ordered by Total On-site Releases)

State	On-site Releases					Total On-site Releases Pounds
	Fugitive or Nonpoint Air Emissions Pounds	Stack or Point Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	Releases to Land Pounds	
Nevada	1,529,022	1,868,475	136,431	2,797	1,164,658,138	1,168,194,863
Utah	2,367,919	50,659,560	1,053,343	3,600	1,107,001,696	1,161,086,118
Arizona	2,056,508	3,750,741	6,850	15	956,036,806	961,850,920
Alaska	755,900	1,866,442	96,222	34,946,256	395,352,961	433,017,781
Texas	40,646,276	70,118,030	32,518,781	90,728,865	54,241,223	288,253,175
New Mexico	765,223	1,096,279	23,236	315	258,220,861	260,105,914
Ohio	17,137,596	131,740,782	6,976,957	27,645,086	70,385,697	253,886,118
Pennsylvania	10,320,983	99,089,670	49,055,456	0	13,212,611	171,678,720
North Carolina	7,226,691	116,503,555	9,180,497	0	18,805,589	151,716,332
Louisiana	13,399,238	54,912,706	15,116,128	46,838,209	16,602,257	146,868,538
Florida	6,716,995	90,079,086	2,485,101	32,769,162	12,533,448	144,583,792
Indiana	16,490,066	83,764,476	6,894,995	890,265	32,154,583	140,194,385
Illinois	12,705,085	72,426,732	6,712,012	1,200	47,587,045	137,587,045
Tennessee	13,307,188	93,952,741	2,795,230	0	27,019,381	137,074,540
Alabama	10,609,742	71,268,825	6,737,096	109,005	40,527,170	129,251,838
Montana	681,433	5,839,666	36,057	0	120,570,445	127,127,601
Missouri	5,784,836	36,163,652	3,498,327	0	79,628,111	125,074,926
Georgia	7,096,949	95,413,641	7,496,132	0	13,133,711	123,140,433
Michigan	7,126,035	69,033,514	1,265,578	2,571,942	17,187,913	97,184,982
West Virginia	4,388,691	73,112,287	7,909,902	10	11,032,956	96,443,846
Kentucky	8,574,398	66,741,346	3,014,626	0	15,537,156	93,867,526
Idaho	2,160,507	4,262,059	7,604,261	0	71,613,748	85,640,575
Mississippi	6,828,837	37,911,770	14,630,863	8,326,762	6,650,849	74,349,081
South Carolina	6,668,796	51,386,856	3,470,358	0	12,152,593	73,678,603
Virginia	7,902,245	52,227,023	4,769,822	0	5,261,968	70,161,058
Oregon	4,302,422	12,740,896	3,282,412	0	46,092,057	66,417,787
New York	3,752,970	32,639,776	9,827,638	250	15,634,962	61,855,596
California	13,119,981	17,708,959	5,023,935	34,972	24,464,611	60,352,458
Iowa	4,834,178	26,787,844	3,973,155	0	7,754,859	43,350,036
Wisconsin	3,693,042	33,151,540	3,543,140	0	2,687,321	43,075,043
Maryland	1,054,715	36,561,530	2,849,575	34,700	2,446,164	42,946,684
Arkansas	5,370,869	22,699,419	2,596,193	775,088	5,262,389	36,703,958
Oklahoma	3,953,017	14,373,486	3,063,211	2,566,726	8,899,444	32,855,884
Kansas	3,166,216	14,309,860	1,069,907	1,169,028	8,740,886	28,455,897
Minnesota	3,049,707	12,684,800	1,756,271	0	9,229,586	26,720,364
Washington	3,351,455	16,824,817	3,100,145	0	2,461,889	25,738,306
Nebraska	1,611,170	6,913,557	11,347,161	0	5,029,888	24,901,776
New Jersey	3,348,082	13,103,250	5,396,988	4	2,327,243	24,175,567
Colorado	1,031,547	3,099,222	3,135,241	143,612	13,683,705	21,093,327
Wyoming	811,419	1,583,408	18,447	8,082,205	8,290,485	18,785,964
Puerto Rico	2,271,872	15,017,204	80,784	0	169,867	17,539,727
North Dakota	436,806	3,336,877	225,149	0	9,165,021	13,163,853
South Dakota	594,799	1,791,889	1,582,993	0	7,650,711	11,620,392
Massachusetts	1,177,063	7,647,860	95,272	0	7,084	8,927,279
Delaware	742,941	5,912,937	1,197,861	0	462,579	8,316,318
Maine	668,061	4,784,660	864,539	0	787,171	7,104,431
Connecticut	1,456,759	3,258,045	1,012,110	0	21,202	5,748,116
New Hampshire	302,224	4,885,263	125,582	0	74,237	5,387,306
Hawaii	201,035	2,277,304	2,781	5,070	38,163	2,524,353
Rhode Island	334,568	736,305	1,306	0	5	1,072,184
Virgin Islands	244,895	474,262	45,857	0	1,791	766,805
Guam	121,003	380,013	25	0	67	501,108
Vermont	61,059	89,607	179,767	0	75,500	405,933
District of Columbia	319	79,552	44	0	0	79,915
American Samoa	15	5,612	1	0	0	5,628
Northern Marianas	848	2,539	25	0	0	3,412
Total	278,312,216	1,751,052,207	258,881,776	257,645,144	4,746,722,774	7,292,614,117

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Table 3. TRI Releases Within the State, 1999, All Industries (Ordered by Total Releases Within the State)

State	On-site Releases					Total On-site Releases Pounds	Off-site Releases (Transfers Off-site to Disposal)*		Total Releases Within the State Pounds
	Fugitive or Nonpoint Air Emissions Pounds	Stack or Point Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	Releases to Land Pounds		Transferred Into State Pounds	Transferred Within State Pounds	
Nevada	1,529,022	1,868,475	136,431	2,797	1,164,658,138	1,168,194,863	1,076,207	199,740	1,169,470,810
Utah	2,367,919	50,659,560	1,053,343	3,600	1,107,001,696	1,161,086,118	2,775,953	528,494	1,164,390,565
Arizona	2,056,508	3,750,741	6,850	15	956,036,806	961,850,920	632,141	487,086	962,970,147
Alaska	755,900	1,866,442	96,222	34,946,256	395,352,961	433,017,781	12	0	433,017,793
Ohio	17,137,596	131,740,782	6,976,957	27,645,086	70,385,697	253,886,118	50,216,599	40,578,174	344,680,891
Texas	40,646,276	70,118,030	32,518,781	90,728,865	54,241,223	288,253,175	6,359,464	23,201,300	317,813,939
New Mexico	765,223	1,096,279	23,236	315	258,220,861	260,105,914	2,942	2,037,655	262,146,511
Pennsylvania	10,320,983	99,089,670	49,055,456	0	13,212,611	171,678,720	12,468,848	50,467,778	234,615,346
Indiana	16,490,066	83,764,476	6,894,995	890,265	32,154,583	140,194,385	3,470,560	38,635,393	182,300,338
Illinois	12,705,085	72,426,732	6,712,012	1,200	45,742,016	137,587,045	19,099,866	22,287,110	178,974,021
Michigan	7,126,035	69,033,514	1,265,578	2,571,942	17,187,913	97,184,982	22,366,903	43,736,776	163,288,661
North Carolina	7,226,691	116,503,555	9,180,497	0	18,805,589	151,716,332	478,089	5,344,837	157,539,258
Louisiana	13,399,238	54,912,706	15,116,128	46,838,209	16,602,257	146,868,538	4,201,955	1,804,522	152,875,015
Florida	6,716,995	90,079,086	2,485,101	32,769,162	12,533,448	144,583,792	207,583	3,733,879	148,525,254
Tennessee	13,307,188	93,952,741	2,795,230	0	27,019,381	137,074,540	560,671	5,271,563	142,906,774
Alabama	10,609,742	71,268,825	6,737,096	109,005	40,527,170	129,251,838	6,287,781	6,282,919	141,822,538
Missouri	5,784,836	36,163,652	3,498,327	0	79,628,111	125,074,926	7,256,448	3,896,530	136,227,904
Montana	681,433	5,839,666	36,057	0	120,570,445	127,127,601	7,200	376,894	127,511,695
Georgia	7,096,949	95,413,641	7,496,132	0	13,133,711	123,140,433	691,295	2,445,842	126,277,570
Idaho	2,160,507	4,262,059	7,604,261	0	71,613,748	85,640,575	22,368,707	134,452	108,143,734
Kentucky	8,574,398	66,741,346	3,014,626	0	15,537,156	93,867,526	1,311,116	4,867,352	100,045,994
West Virginia	4,388,691	73,112,287	7,909,902	10	11,032,956	96,443,846	244,866	3,033,538	99,722,250
South Carolina	6,668,796	51,386,856	3,470,358	0	12,152,593	73,678,603	1,412,953	7,472,098	82,563,654
Virginia	7,902,245	52,227,023	4,769,822	0	5,261,968	70,161,058	223,611	9,490,069	79,874,738
Mississippi	6,828,837	37,911,770	14,630,863	8,326,762	6,650,849	74,349,081	542,963	920,876	75,812,920
Oregon	4,302,422	12,740,896	3,282,412	0	46,092,057	66,417,787	2,292,250	859,766	69,569,803
New York	3,752,970	32,639,776	9,827,638	250	15,634,962	61,855,596	2,098,749	4,000,334	67,954,679
California	13,119,981	17,708,959	5,023,935	34,972	24,464,611	60,352,458	649,454	5,355,517	66,357,429
Wisconsin	3,693,042	33,151,540	3,543,140	0	2,687,321	43,075,043	3,323,303	11,157,444	57,555,790
Oklahoma	3,953,017	14,373,486	3,063,211	2,566,726	8,899,444	32,855,884	17,008,329	2,432,937	52,297,150
Iowa	4,834,178	26,787,844	3,973,155	0	7,754,859	43,350,036	86,717	1,928,718	45,365,471
Maryland	1,054,715	36,561,530	2,849,575	34,700	2,446,164	42,946,684	708,279	787,050	44,442,013
Arkansas	5,370,869	22,699,419	2,596,193	775,088	5,262,389	36,703,958	1,833,325	1,295,947	39,833,230
New Jersey	3,348,082	13,103,250	5,396,988	4	2,327,243	24,175,567	6,394,294	3,017,980	33,587,841
Kansas	3,166,216	14,309,860	1,069,907	1,169,028	8,740,886	28,455,897	806,302	1,877,688	31,139,887
Minnesota	3,049,707	12,684,800	1,756,271	0	9,229,586	26,720,364	290,697	2,582,517	29,593,578
Nebraska	1,611,170	6,913,557	11,347,161	0	5,029,888	24,901,776	400,131	1,373,008	26,674,915
Washington	3,351,455	16,824,817	3,100,145	0	2,461,889	25,738,306	30,848	883,270	26,652,424
Colorado	1,031,547	3,099,222	3,135,241	143,612	13,683,705	21,093,327	115,616	4,822,568	26,031,511
North Dakota	436,806	3,336,877	225,149	0	9,165,021	13,163,853	2,400	10,482,199	23,648,452
Wyoming	811,419	1,583,408	18,447	8,082,205	8,290,485	18,785,964	991	619,672	19,406,627
Puerto Rico	2,271,872	15,017,204	80,784	0	169,867	17,539,727	0	432,228	17,971,955
South Dakota	594,799	1,791,889	1,582,993	0	760,711	11,620,392	0	281,793	11,902,185
Delaware	742,941	5,912,937	1,197,861	0	462,579	8,316,318	9,739	2,986,632	11,312,689
Massachusetts	1,177,063	7,647,860	95,272	0	7,084	8,927,279	758,826	1,415,084	11,101,189
Maine	668,061	4,784,660	864,539	0	787,171	7,104,431	89,222	555,501	7,749,154
Connecticut	1,456,759	3,258,045	1,012,110	0	21,202	5,748,116	374,158	356,642	6,478,916
New Hampshire	302,224	4,885,263	125,582	0	74,237	5,387,306	280,561	138,672	5,806,539
Hawaii	201,035	2,277,304	2,781	5,070	38,163	2,524,353	0	50,433	2,574,786
Rhode Island	334,568	736,305	1,306	0	5	1,072,184	94,393	72,041	1,238,618
Virgin Islands	244,895	474,262	45,857	0	1,791	766,805	0	0	766,805
Vermont	61,059	89,607	179,767	0	75,500	405,933	44,728	71,931	522,592
Guam	121,003	380,013	25	0	67	501,108	0	0	501,108
District of Columbia	319	79,552	44	0	0	79,915	519	0	80,434
American Samoa	15	5,612	1	0	0	5,628	0	0	5,628
Northern Marianas	848	2,539	25	0	0	3,412	0	0	3,412
Other**	0	0	0	0	0	0	7,777,874	0	7,777,874
Total	278,312,216	1,751,052,207	258,881,776	257,645,144	4,746,722,774	7,292,614,117	209,736,438	337,072,449	7,839,423,004

Note: Due to an EPA data entry error, one chemical reporting revision for 1999 by a facility, the US Army Letterkenny Depot in Chambersburg, PA, was not included in this table. At the time of publication, the facility had notified EPA that it anticipated revising off-site transfers to disposal (transferred into the state of New Jersey) for manganese compounds from 5,584,900 pounds to below 500 pounds. Revisions by this facility of two other compounds are included in the State Fact Sheet tables but not included in the tables in the 1999 TRI Public Data Release report.

* Off-site releases do not include transfers to disposal sent to other TRI facilities that reported the amount as an on-site release.

** Other includes waste sent to other countries, to sites not identified by the reporting facility and transfers to POTWs in more than one state.



1999 Toxics Release Inventory

Table 6. TRI On-site and Off-site Releases by State, 1999, Original Industries (Ordered by Total Releases)*, **

State	On-site Releases					Total On-site Releases Pounds	Off-site Releases	Total On- and Off-site Releases Pounds
	Fugitive or Nonpoint Air Emissions Pounds	Stack or Point Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	Releases to Land Pounds		Transfers Off-site to Disposal Pounds	
Texas	40,233,934	62,248,502	32,416,099	86,548,912	19,389,221	240,836,668	19,681,663	260,518,331
Ohio	16,883,811	46,101,611	6,776,057	14,285,086	19,270,795	103,317,360	48,231,725	151,549,085
Pennsylvania	10,236,206a	26,405,693	48,992,454	0	3,938,223	89,572,576	55,652,593	145,225,169
Louisiana	13,375,238	53,483,413	15,037,778	44,030,834	5,729,909	131,657,172	3,457,710	135,114,882
Indiana	15,287,230	36,834,965	6,749,598	890,265	15,551,219	75,313,277	59,278,476	134,591,753
Illinois	12,598,694	37,773,078	6,459,380	1,200	18,666,085	75,498,437	32,785,779	108,284,216
Tennessee	13,269,860	60,382,785	2,074,806	0	5,827,305	81,554,756	10,033,610	91,588,366
Utah	2,269,031	48,351,497	1,037,793	3,600	30,717,542	82,379,463	6,442,621	88,822,084
Alabama	10,591,401	38,547,601	6,520,256	5	10,927,722	66,586,985	12,174,680	78,761,665
Florida	6,604,435	29,419,553	2,430,306	32,769,162	1,911,345	73,134,801	4,240,726	77,375,527
Michigan	7,076,936	29,830,422	1,126,839	2,571,942	2,569,888	43,176,027	29,671,221	72,847,248
North Carolina	7,138,482	35,057,879	9,100,746	0	9,597,859	60,894,966	6,738,945	67,633,911
South Carolina	6,662,193	36,107,839	3,432,379	0	3,420,356	49,622,767	17,107,166	66,729,933
Georgia	7,075,753	40,820,647	7,382,145	0	1,907,466	57,186,011	9,312,544	66,498,555
Mississippi	6,826,411	25,946,763	14,627,488	8,326,762	5,278,091	61,005,515	1,474,749	62,480,264
Virginia	7,864,008	33,370,701	4,708,404	0	2,063,718	48,006,831	9,807,816	57,814,647
Missouri	5,567,302	23,628,637	3,343,958	0	19,575,095	52,114,992	4,737,858	56,852,850
Arkansas	5,358,261	21,664,399	2,571,428	775,088	2,506,240	32,875,416	18,971,427	51,846,843
Arizona	1,436,383	1,739,354	5,452	15	46,860,267	50,041,471	830,356	50,871,827
Montana	497,112	4,871,665	36,047	0	43,140,506	48,545,330	1,368,220	49,913,550
Kentucky	8,543,259	21,972,248	1,736,386	0	2,212,304	34,464,197	13,778,115	48,242,312
California	12,795,049	16,548,865	5,020,783	34,972	2,960,704	37,360,373	7,637,338	44,997,711
Wisconsin	3,673,622	21,805,921	3,523,115	0	1,290,795	30,293,453	11,603,539	41,896,992
Iowa	4,822,302	17,654,526	3,966,598	0	3,144,051	29,587,477	11,395,757	40,983,234
New York	3,638,871	13,183,105	9,458,323	250	324,686	26,605,235	9,918,928	36,524,163
Kansas	3,106,993	12,224,207	1,063,516	1,169,028	1,871,899	19,435,643	16,376,951	35,812,594
Oregon	4,287,492	12,502,453	3,282,352	0	479,763	20,552,060	10,430,154	30,982,214
Idaho	2,143,745	4,245,523	7,592,735	0	12,199,726	26,181,729	451,904	26,633,633
Washington	3,337,262	15,576,719	3,098,503	0	199,911	22,212,395	3,021,889	25,234,284
Nebraska	1,587,493	3,449,971	11,294,646	0	729,937	17,062,047	6,218,710	23,280,757
Oklahoma	3,935,157	12,828,333	3,046,633	52,827	454,868	20,317,818	2,840,442	23,158,260
West Virginia	3,823,643	8,002,218	7,606,602	10	125,378	19,557,851	2,355,884	21,913,735
New Jersey	3,145,743	5,037,564	5,382,208	4	1,943,543	15,509,062	6,363,543	21,872,605
New Mexico	538,604	429,241	15,028	315	19,279,439	20,262,627	200,551	20,463,178
Minnesota	3,036,631	11,721,097	1,735,699	0	318,026	16,811,453	3,502,262	20,313,715
Maryland	1,023,715	6,970,083	2,625,929	0	2,345,404	12,965,131	681,242	13,646,373
Wyoming	807,191	772,526	6,099	8,082,205	12,553	9,680,574	759,569	10,440,143
Maine	658,630	4,682,129	864,244	0	787,171	6,992,174	737,564	7,729,738
Delaware	739,505	2,511,433	1,186,039	0	278,319	4,715,296	2,997,410	7,712,706
Colorado	989,591	1,731,841	3,114,517	0	242,575	6,078,524	1,478,478	7,557,002
Connecticut	1,434,566	2,651,956	1,011,848	0	21,202	5,119,572	1,291,246	6,410,818
Puerto Rico	2,241,782	3,515,478	70,474	0	3,911	5,831,645	498,835	6,330,480
Massachusetts	1,073,588	2,764,723	93,926	0	1,996	3,934,233	1,696,492	5,630,725
Nevada	261,986	653,998	0	0	3,404,963	4,320,947	47,577	4,368,524
South Dakota	469,657	1,587,908	1,354,662	0	13,211	3,425,438	138,903	3,564,341
New Hampshire	302,172	2,172,152	125,582	0	53,937	2,653,843	469,525	3,123,368
North Dakota	430,038	1,846,500	162,418	0	2,756	2,441,712	156,491	2,598,203
Alaska	278,102	1,298,921	94,126	256	577	1,671,982	0	1,671,982
Rhode Island	322,046	670,337	1,265	0	5	993,653	319,675	1,313,328
Virgin Islands	244,020	406,662	45,847	0	1,791	698,320	1,179	699,499
Vermont	61,059	89,607	179,767	0	75,500	405,933	241,957	647,890
Hawaii	159,278	194,210	2,489	5,065	38,098	399,140	1,993	401,133
District of Columbia	0	0	44	0	0	44	18,052	18,096
Total	270,765,473	904,289,459	253,591,816	199,547,803	323,667,851	1,951,862,442	469,632,040	2,421,494,442

Note: Due to an EPA data entry error, one chemical reporting revision for 1999 by a facility, the US Army Letterkenny Depot in Chambersburg, PA, was not included in this table. At the time of publication, the facility had notified EPA that it anticipated revising off-site transfers to disposal for manganese compounds from 5,584,900 pounds to below 500 pounds. Revisions by this facility of two other compounds are included in the state fact sheet tables but not included in the tables in the 1999 TRI Public Data Release report.

* One facility, Phelps Dodge Miami Inc. in Claypool, AZ, that reported under SIC code 33 and SIC code 10 in 1999 and previous years has been included in the new industry category SIC code 10 for the purpose of this analysis.

** This table includes all off-site releases reported, including off-site transfers to disposal sent to other facilities that reported that amount as on-site release. Such off-site transfers are only excluded where the table presents amounts for all TRI facilities, for example on Table 1. For amounts of off-site releases which exclude transfers to disposal to other TRI facilities reporting that amount as an on-site release see the individual state fact sheets.

1999 Toxics Release Inventory



Table 7. TRI On-site Releases by State, 1999, Original Industries (Ordered by Total On-site Releases)*

State	On-site Releases					Total On-site Releases Pounds
	Fugitive or Nonpoint Air Emissions Pounds	Stack or Point Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	Releases to Land Pounds	
Texas	40,233,934	62,248,502	32,416,099	86,548,912	19,389,221	240,836,668
Louisiana	13,375,238	53,483,413	15,037,778	44,030,834	5,729,909	131,657,172
Ohio	16,883,811	46,101,611	6,776,057	14,285,086	19,270,795	103,317,360
Pennsylvania	10,236,206	26,405,693	48,992,454	0	3,938,223	89,572,576
Utah	2,269,031	48,351,497	1,037,793	3,600	30,717,542	82,379,463
Tennessee	13,269,860	60,382,785	2,074,806	0	5,827,305	81,554,756
Illinois	12,598,694	37,773,078	6,459,380	1,200	18,666,085	75,498,437
Indiana	15,287,230	36,834,965	6,749,598	890,265	15,551,219	75,313,277
Florida	6,604,435	29,419,553	2,430,306	32,769,162	1,911,345	73,134,801
Alabama	10,591,401	38,547,601	6,520,256	5	10,927,722	66,586,985
Mississippi	6,826,411	25,946,763	14,627,488	8,326,762	5,278,091	61,005,515
North Carolina	7,138,482	35,057,879	9,100,746	0	9,597,859	60,894,966
Georgia	7,075,753	40,820,647	7,382,145	0	1,907,466	57,186,011
Missouri	5,567,302	23,628,637	3,343,958	0	19,575,095	52,114,992
Arizona	1,436,383	1,739,354	5,452	15	46,860,267	50,041,471
South Carolina	6,662,193	36,107,839	3,432,379	0	3,420,356	49,622,767
Montana	497,112	4,871,665	36,047	0	43,140,506	48,545,330
Virginia	7,864,008	33,370,701	4,708,404	0	2,063,718	48,006,831
Michigan	7,076,936	29,830,422	1,126,839	2,571,942	2,569,888	43,176,027
California	12,795,049	16,548,865	5,020,783	34,972	2,960,704	37,360,373
Kentucky	8,543,259	21,972,248	1,736,386	0	2,212,304	34,464,197
Arkansas	5,358,261	21,664,399	2,571,428	775,088	2,506,240	32,875,416
Wisconsin	3,673,622	21,805,921	3,523,115	0	1,290,795	30,293,453
Iowa	4,822,302	17,654,526	3,966,598	0	3,144,051	29,587,477
New York	3,638,871	13,183,105	9,458,323	250	324,686	26,605,235
Idaho	2,143,745	4,245,523	7,592,735	0	12,199,726	26,181,729
Washington	3,337,262	15,576,719	3,098,503	0	199,911	22,212,395
Oregon	4,287,492	12,502,453	3,282,352	0	479,763	20,552,060
Oklahoma	3,935,157	12,828,333	3,046,633	52,827	454,868	20,317,818
New Mexico	538,604	429,241	15,028	315	19,279,439	20,262,627
West Virginia	3,823,643	8,002,218	7,606,602	10	125,378	19,557,851
Kansas	3,106,993	12,224,207	1,063,516	1,169,028	1,871,899	19,435,643
Nebraska	1,587,493	3,449,971	11,294,646	0	729,937	17,062,047
Minnesota	3,036,631	11,721,097	1,735,699	0	318,026	16,811,453
New Jersey	3,145,743	5,037,564	5,382,208	4	1,943,543	15,509,062
Maryland	1,023,715	6,970,083	2,625,929	0	2,345,404	12,965,131
Wyoming	807,191	772,526	6,099	8,082,205	12,553	9,680,574
Maine	658,630	4,682,129	864,244	0	787,171	6,992,174
Colorado	989,591	1,731,841	3,114,517	0	242,575	6,078,524
Puerto Rico	2,241,782	3,515,478	70,474	0	3,911	5,831,645
Connecticut	1,434,566	2,651,956	1,011,848	0	21,202	5,119,572
Delaware	739,505	2,511,433	1,186,039	0	278,319	4,715,296
Nevada	261,986	653,998	0	0	3,404,963	4,320,947
Massachusetts	1,073,588	2,764,723	93,926	0	1,996	3,934,233
South Dakota	469,657	1,587,908	1,354,662	0	13,211	3,425,438
New Hampshire	302,172	2,172,152	125,582	0	53,937	2,653,843
North Dakota	430,038	1,846,500	162,418	0	2,756	2,441,712
Alaska	278,102	1,298,921	94,126	256	577	1,671,982
Rhode Island	322,046	670,337	1,265	0	5	993,653
Virgin Islands	244,020	406,662	45,847	0	1,791	698,320
Vermont	61,059	89,607	179,767	0	75,500	405,933
Hawaii	159,278	194,210	2,489	5,065	38,098	399,140
District of Columbia	0	0	44	0	0	44
Total	270,765,473	904,289,459	253,591,816	199,547,803	323,667,851	1,951,862,402

* One facility, Phelps Dodge Miami Inc. in Claypool, AZ, that reported under SIC code 33 and SIC code 10 in 1999 and previous years has been included in the new industry category SIC code 10 for the purpose of this analysis.



1999 Toxics Release Inventory

Table 8. TRI On-site and Off-site Releases by State, 1999, New Industries (Ordered by Total Releases)*, **

State	On-site Releases					Total On-site Releases Pounds	Off-site	Total On- and Off-site Releases Pounds
	Fugitive or Nonpoint Air Emissions Pounds	Stack or Point Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	Release to Land Pounds		Transfers Off-site to Disposal Pounds	
Nevada	1,267,036	1,214,477	136,431	2,797	1,161,253,175	1,163,873,916	585,606	1,164,459,522
Utah	98,888	2,308,063	15,550	0	1,076,284,154	1,078,706,655	428,390	1,079,135,045
Arizona	620,125	2,011,387	1,398	0	909,176,539	911,809,449	738,905	912,548,354
Alaska	477,798	567,521	2,096	34,946,000	395,352,384	431,345,799	5	431,345,804
New Mexico	226,619	667,038	8,208	0	238,941,422	239,843,287	4,304,710	244,147,997
Ohio	253,785	85,639,171	200,900	13,360,000	51,114,902	150,568,758	12,665,029	163,233,787
Pennsylvania	84,777	72,683,977	63,002	0	9,274,388	82,106,144	10,236,797	92,342,941
North Carolina	88,209	81,445,676	79,751	0	9,207,730	90,821,366	549,985	91,371,351
Montana	184,321	968,001	10	0	77,429,939	78,582,271	376,802	78,959,073
West Virginia	565,048	65,110,069	303,300	0	10,907,578	76,885,995	1,844,370	78,730,365
Indiana	1,202,836	46,929,511	145,397	0	16,603,364	64,881,108	8,211,775	73,092,883
Missouri	217,534	12,535,015	154,369	0	60,053,016	72,959,934	411	72,960,345
Florida	112,560	60,659,533	54,795	0	10,622,103	71,448,991	1,243,589	72,692,580
Michigan	49,099	39,203,092	138,739	0	14,618,025	54,008,955	15,840,216	69,849,171
Illinois	106,391	34,653,654	252,632	0	27,075,931	62,088,608	7,637,399	69,726,007
Georgia	21,196	54,592,994	113,987	0	11,226,245	65,954,422	19,627	65,974,049
Alabama	18,341	32,721,224	216,840	109,000	29,599,448	62,664,853	331,431	62,996,284
Kentucky	31,139	44,769,098	1,278,240	0	13,324,852	59,403,329	1,020,481	60,423,810
Idaho	16,762	16,536	11,526	0	59,414,022	59,458,846	49	59,458,895
Texas	412,342	7,869,528	102,682	4,179,953	34,852,002	47,416,507	9,403,104	56,819,611
Tennessee	37,328	33,569,956	720,424	0	21,192,076	55,519,784	321,223	55,841,007
Oregon	14,930	238,443	60	0	45,612,294	45,865,727	18,791	45,884,518
New York	114,099	19,456,671	369,315	0	15,310,276	35,250,361	740,453	35,990,814
Maryland	31,000	29,591,447	223,646	34,700	100,760	29,981,553	373,312	30,354,865
California	324,932	1,160,094	3,152	0	21,503,907	22,992,085	3,528,215	26,520,300
South Carolina	6,603	15,279,017	37,979	0	8,732,237	24,055,836	274,750	24,330,586
Virginia	38,237	18,856,322	61,418	0	3,198,250	22,154,227	1,004,364	23,158,591
North Dakota	6,768	1,490,377	62,731	0	9,162,265	10,722,141	10,338,610	21,060,751
Colorado	41,956	1,367,381	20,724	143,612	13,441,130	15,014,803	4,689,602	19,704,405
Wisconsin	19,420	11,345,619	20,025	0	1,396,526	12,781,590	4,609,842	17,391,432
Louisiana	24,000	1,429,293	78,350	2,807,375	10,872,348	15,211,366	126,699	15,338,065
Iowa	11,876	9,133,318	6,557	0	4,610,808	13,762,559	364,340	14,126,899
Oklahoma	17,860	1,545,153	16,578	2,513,899	8,444,576	12,538,066	1,570,761	14,108,827
Mississippi	2,426	11,965,007	3,375	0	1,372,758	13,343,566	16	13,343,582
Puerto Rico	30,090	11,501,726	10,310	0	165,956	11,708,082	150,694	11,858,776
Minnesota	13,076	963,703	20,572	0	8,911,560	9,908,911	1,233,338	11,142,249
Wyoming	4,228	810,882	12,348	0	8,277,932	9,105,390	635,033	9,740,423
Kansas	59,223	2,085,653	6,391	0	6,868,987	9,020,254	486,254	9,506,508
New Jersey	202,339	8,065,686	14,780	0	383,700	8,666,505	805,899	9,472,404
South Dakota	125,142	203,981	228,331	0	7,637,500	8,194,954	369,782	8,564,736
Nebraska	23,677	3,463,586	52,515	0	4,299,951	7,839,729	415,643	8,255,372
Massachusetts	103,475	4,883,137	1,346	0	5,088	4,993,046	1,332,789	6,325,835
Arkansas	12,608	1,035,020	24,765	0	2,756,149	3,828,542	397,990	4,226,532
Washington	14,193	1,248,098	1,642	0	2,261,978	3,525,911	260,758	3,786,669
Delaware	3,436	3,401,504	11,822	0	184,260	3,601,022	71,152	3,672,174
New Hampshire	52	2,713,111	0	0	20,300	2,733,463	24,070	2,757,533
Hawaii	41,757	2,083,094	292	5	65	2,125,213	48,445	2,173,658
Connecticut	22,193	606,089	262	0	0	628,544	882,561	1,511,105
Guam	121,003	380,013	25	0	67	501,108	0	501,108
Maine	9,431	102,531	295	0	0	112,257	7,804	120,061
Rhode Island	12,522	65,968	41	0	0	78,531	16,498	95,029
District of Columbia	319	79,552	0	0	0	79,871	0	79,871
Virgin Islands	875	67,600	10	0	0	68,485	1,010	69,495
American Samoa	15	5,612	1	0	0	5,628	0	5,628
Northern Marianas	848	2,539	25	0	0	3,412	0	3,412
Total	7,546,743	846,762,748	5,289,960	58,097,341	4,423,054,923	5,340,751,715	110,539,379	5,451,291,094

* One facility, Phelps Dodge Miami Inc. in Claypool, AZ, that reported under SIC code 33 and SIC code 10 in 1999 and previous years has been included in the new industry category SIC code 10 for the purpose of this analysis.

** This table includes all off-site releases reported, including off-site transfers to disposal sent to other facilities that reported that amount as on on-site release. Such off-site transfers are only excluded where the table presents amounts for all TRI facilities, for example on Table 1. For amounts of off-site releases which exclude transfers to disposal to other TRI facilities reporting that amount as an on-site release see the individual state fact sheets.

1999 Toxics Release Inventory



Table 9. TRI On-site Releases by State, 1999, New Industries (Ordered by Total On-site Releases)*

State	On-site Releases					Total On-site Releases Pounds
	Fugitive or Nonpoint Air Emissions Pounds	Stack or Point Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	Releases to Land Pounds	
Nevada	1,267,036	1,214,477	136,431	2,797	1,161,253,175	1,163,873,916
Utah	98,888	2,308,063	15,550	0	1,076,284,154	1,078,706,655
Arizona	620,125	2,011,387	1,398	0	909,176,539	911,809,449
Alaska	477,798	567,521	2,096	34,946,000	395,352,384	431,345,799
New Mexico	226,619	667,038	8,208	0	238,941,422	239,843,287
Ohio	253,785	85,639,171	200,900	13,360,000	51,114,902	150,568,758
North Carolina	88,209	81,445,676	79,751	0	9,207,730	90,821,366
Pennsylvania	84,777	72,683,977	63,002	0	9,274,388	82,106,144
Montana	184,321	968,001	10	0	77,429,939	78,582,271
West Virginia	565,048	65,110,069	303,300	0	10,907,578	76,885,995
Missouri	217,534	12,535,015	154,369	0	60,053,016	72,959,934
Florida	112,560	60,659,533	54,795	0	10,622,103	71,448,991
Georgia	21,196	54,592,994	113,987	0	11,226,245	65,954,422
Indiana	1,202,836	46,929,511	145,397	0	16,603,364	64,881,108
Alabama	18,341	32,721,224	216,840	109,000	29,599,448	62,664,853
Illinois	106,391	34,653,654	252,632	0	27,075,931	62,088,608
Idaho	16,762	16,536	11,526	0	59,414,022	59,458,846
Kentucky	31,139	44,769,098	1,278,240	0	13,324,852	59,403,329
Tennessee	37,328	33,569,956	720,424	0	21,192,076	55,519,784
Michigan	49,099	39,203,092	138,739	0	14,618,025	54,008,955
Texas	412,342	7,869,528	102,682	4,179,953	34,852,002	47,416,507
Oregon	14,930	238,443	60	0	45,612,294	45,865,727
New York	114,099	19,456,671	369,315	0	15,310,276	35,250,361
Maryland	31,000	29,591,447	223,646	34,700	100,760	29,981,553
South Carolina	6,603	15,279,017	37,979	0	8,732,237	24,055,836
California	324,932	1,160,094	3,152	0	21,503,907	22,992,085
Virginia	38,237	18,856,322	61,418	0	3,198,250	22,154,227
Louisiana	24,000	1,429,293	78,350	2,807,375	10,872,348	15,211,366
Colorado	41,956	1,367,381	20,724	143,612	13,441,130	15,014,803
Iowa	11,876	9,133,318	6,557	0	4,610,808	13,762,559
Mississippi	2,426	11,965,007	3,375	0	1,372,758	13,343,566
Wisconsin	19,420	11,345,619	20,025	0	1,396,526	12,781,590
Oklahoma	17,860	1,545,153	16,578	2,513,899	8,444,576	12,538,066
Puerto Rico	30,090	11,501,726	10,310	0	165,956	11,708,082
North Dakota	6,768	1,490,377	62,731	0	9,162,265	10,722,141
Minnesota	13,076	963,703	20,572	0	8,911,560	9,908,911
Wyoming	4,228	810,882	12,348	0	8,277,932	9,105,390
Kansas	59,223	2,085,653	6,391	0	6,868,987	9,020,254
New Jersey	202,339	8,065,686	14,780	0	383,700	8,666,505
South Dakota	125,142	203,981	228,331	0	7,637,500	8,194,954
Nebraska	23,677	3,463,586	52,515	0	4,299,951	7,839,729
Massachusetts	103,475	4,883,137	1,346	0	5,088	4,993,046
Arkansas	12,608	1,035,020	24,765	0	2,756,149	3,828,542
Delaware	3,436	3,401,504	11,822	0	184,260	3,601,022
Washington	14,193	1,248,098	1,642	0	2,261,978	3,525,911
New Hampshire	52	2,713,111	0	0	20,300	2,733,463
Hawaii	41,757	2,083,094	292	5	65	2,125,213
Connecticut	22,193	606,089	262	0	0	628,544
Guam	121,003	380,013	25	0	67	501,108
Maine	9,431	102,531	295	0	0	112,257
District of Columbia	319	79,552	0	0	0	79,871
Rhode Island	12,522	65,968	41	0	0	78,531
Virgin Islands	875	67,600	10	0	0	68,485
American Samoa	15	5,612	1	0	0	5,628
Northern Marianas	848	2,539	25	0	0	3,412
Total	7,546,743	846,762,748	5,289,960	58,097,341	4,423,054,923	5,340,751,715

* One facility, Phelps Dodge Miami Inc. in Claypool, AZ, that reported under SIC code 33 and SIC code 10 in 1999 and previous years has been included in the new industry category SIC code 10 for the purpose of this analysis.



1999 Toxics Release Inventory

Table 10. TRI On-site and Off-site Releases by State, 1998, All Industries (Ordered by Total Releases)

State	On-site Releases					Total On-site Releases Pounds	Off-site Releases	Total On- and Off-site Releases Pounds
	Fugitive or Nonpoint Air Emissions Pounds	Stack or Point Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	Releases to Land Pounds		Transfers Off-site to Disposal* Pounds	
Nevada	1,880,409	2,494,976	241,540	1,404	1,314,400,502	1,319,018,831	107,497	1,319,126,328
Arizona	4,278,090	5,834,312	6,236	4	1,058,594,122	1,068,712,764	848,233	1,069,560,997
Utah	2,149,664	62,799,938	1,146,800	0	507,852,411	573,948,813	1,200,258	575,149,071
Ohio	16,201,439	143,170,721	6,273,716	28,770,724	94,295,040	288,711,640	49,382,459	338,094,099
Texas	43,674,122	77,209,813	31,824,971	93,189,637	52,388,888	298,287,431	23,137,732	321,425,163
Alaska	983,390	1,967,500	97,777	29,024,256	274,958,784	307,031,707	637	307,032,344
New Mexico	1,065,129	1,577,504	20,984	0	256,101,227	258,764,844	5,656,261	264,421,105
Pennsylvania	11,077,437	85,884,145	48,620,162	80,401	12,062,460	157,724,605	60,822,502	218,547,107
Indiana	17,581,369	80,195,339	2,719,896	1,040,393	33,818,829	135,355,826	56,084,216	191,440,042
Illinois	14,188,130	77,309,646	7,153,814	250	49,019,503	147,671,343	22,485,674	170,157,017
Louisiana	16,565,492	63,235,495	10,021,773	53,737,384	14,906,215	158,466,359	2,307,035	160,773,394
North Carolina	8,472,934	109,452,636	8,152,623	29,100	19,289,228	145,396,521	5,560,374	150,956,895
Florida	7,327,276	85,371,487	2,303,352	27,473,107	14,949,335	137,424,557	4,346,890	141,771,447
Tennessee	12,990,226	92,319,152	3,433,678	3,830,800	22,307,337	134,881,193	6,306,119	141,187,312
Michigan	7,763,189	68,063,137	865,198	3,459,889	19,954,548	100,105,961	40,525,140	140,631,101
Alabama	12,146,291	70,301,159	6,234,191	45,005	42,077,464	130,804,110	9,328,457	140,132,567
Missouri	6,682,434	36,785,897	5,047,350	0	85,976,602	134,492,283	4,582,886	139,075,169
Montana	816,625	4,453,906	94,168	0	118,640,075	124,004,774	847,799	124,852,573
Georgia	6,517,261	88,696,444	7,128,519	0	13,293,650	115,635,874	2,759,827	118,395,701
West Virginia	4,004,486	71,707,342	7,800,464	38	11,680,198	95,192,528	8,395,744	103,588,272
Kentucky	9,110,868	67,173,934	3,162,721	8,613	17,920,255	97,376,391	5,880,686	103,257,077
South Carolina	6,939,036	51,368,275	4,571,466	0	33,491,403	96,370,180	5,100,980	101,471,160
Idaho	1,966,278	4,330,766	5,583,720	0	86,962,568	98,843,332	215,124	99,058,456
Virginia	9,235,518	53,224,197	4,354,284	0	4,314,211	71,128,210	8,051,220	79,179,430
New York	4,768,194	33,837,327	11,595,014	250	18,449,392	68,650,177	5,968,643	74,618,820
Mississippi	7,756,413	37,096,764	14,058,487	6,892,506	7,497,765	73,301,935	1,232,943	74,534,878
California	9,125,699	19,487,538	3,929,711	81,905	28,049,454	60,674,307	8,537,121	69,211,428
Oregon	3,958,293	12,630,587	3,595,235	0	45,297,068	65,481,183	1,884,073	67,365,256
Wisconsin	3,955,280	35,078,793	5,627,278	0	3,288,985	47,950,336	15,025,109	62,975,445
Iowa	6,183,804	28,698,049	3,376,015	0	7,048,006	45,305,874	5,555,966	50,861,840
Arkansas	5,940,578	21,448,814	2,346,845	1,248,950	4,366,175	35,351,362	5,380,392	40,731,754
Oklahoma	4,747,095	15,332,734	2,308,415	4,473,550	9,262,564	36,124,328	4,314,181	40,438,539
Maryland	1,289,581	31,778,235	2,553,054	45,000	2,142,319	37,808,189	1,155,548	38,963,737
Kansas	4,321,670	20,156,451	846,966	1,350,665	8,108,450	34,784,202	3,165,619	37,949,821
Washington	4,011,924	19,260,270	3,126,509	0	4,254,733	30,653,436	3,864,011	34,517,447
Minnesota	3,274,723	13,766,020	1,424,458	0	9,668,127	28,133,328	3,520,935	31,654,263
Colorado	1,342,463	3,639,778	2,332,909	3,975,708	15,110,181	26,401,039	4,792,942	31,193,981
New Jersey	3,356,896	14,119,384	6,509,802	4	653,192	24,639,278	4,856,936	29,496,214
Nebraska	2,000,155	8,464,177	10,669,938	0	4,201,003	25,335,273	3,883,642	29,218,915
North Dakota	927,483	2,612,414	102,291	0	8,784,273	12,426,461	11,450,630	23,877,091
Wyoming	823,108	3,184,820	18,972	7,656,805	9,932,166	21,615,871	1,194,418	22,810,289
South Dakota	712,904	1,959,566	1,022,862	0	18,717,562	22,412,894	222,456	22,635,350
Puerto Rico	2,790,613	13,869,258	80,698	0	164,298	16,904,867	962,710	17,867,577
Delaware	711,730	9,035,552	1,126,665	0	937,936	11,811,883	3,912,136	15,724,019
Massachusetts	1,476,450	7,470,280	85,102	0	43,632	9,075,464	4,038,545	13,114,009
Connecticut	1,961,085	4,304,244	995,835	0	38,106	7,299,270	3,077,123	10,376,393
Maine	1,026,621	5,749,925	1,120,845	0	861,519	8,758,910	1,180,529	9,939,439
New Hampshire	286,265	6,038,710	127,644	0	103,787	6,556,406	479,899	7,036,305
Hawaii	213,956	3,351,325	2,057	3,849	33,634	3,604,821	8,018	3,612,839
Rhode Island	607,444	1,357,283	1,829	0	505	1,967,061	337,885	2,304,946
Virgin Islands	653,400	420,974	37,913	0	1,502	1,113,789	29,148	1,142,937
Vermont	75,523	113,646	152,219	0	1,005	342,393	155,305	497,698
District of Columbia	3,305	66,615	6	0	8,800	78,726	5	78,731
American Samoa	8,765	5,131	1	0	0	13,897	0	13,897
Guam	8,476	1,307	1,275	0	0	11,058	0	11,058
Northern Marianas	2,585	481	20	0	0	3,086	0	3,086
Total	301,939,574	1,779,264,173	246,036,273	266,420,197	4,366,280,994	6,959,941,211	424,120,618	7,384,061,829

* Off-site releases do not include transfers to disposal sent to other TRI facilities that reported the amount as an on-site release.

1999 Toxics Release Inventory



Table 11. TRI On-site Releases by State, 1998, All Industries (Ordered by Total On-site Releases)

State	On-site Releases					Total On-site Releases Pounds
	Fugitive or Nonpoint Air Emissions Pounds	Stack or Point Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	Releases to Land Pounds	
Nevada	1,880,409	2,494,976	241,540	1,404	1,314,400,502	1,319,018,831
Arizona	4,278,090	5,834,312	6,236	4	1,058,594,122	1,068,712,764
Utah	2,149,664	62,799,938	1,146,800	0	507,852,411	573,948,813
Alaska	983,390	1,967,500	97,777	29,024,256	274,958,784	307,031,707
Texas	43,674,122	77,209,813	31,824,971	93,189,637	52,388,888	298,287,431
Ohio	16,201,439	143,170,721	6,273,716	28,770,724	94,295,040	288,711,640
New Mexico	1,065,129	1,577,504	20,984	0	256,101,227	258,764,844
Louisiana	16,565,492	63,235,495	10,021,773	53,737,384	14,906,215	158,466,359
Pennsylvania	11,077,437	85,884,145	48,620,162	80,401	12,062,460	157,724,605
Illinois	14,188,130	77,309,646	7,153,814	250	49,019,503	147,671,343
North Carolina	8,472,934	109,452,636	8,152,623	29,100	19,289,228	145,396,521
Florida	7,327,276	85,371,487	2,303,352	27,473,107	14,949,335	137,424,557
Indiana	17,581,369	80,195,339	2,719,896	1,040,393	33,818,829	135,355,826
Tennessee	12,990,226	92,319,152	3,433,678	3,830,800	22,307,337	134,881,193
Missouri	6,682,434	36,785,897	5,047,350	0	85,976,602	134,492,283
Alabama	12,146,291	70,301,159	6,234,191	45,005	42,077,464	130,804,110
Montana	816,625	4,453,906	94,168	0	118,640,075	124,004,774
Georgia	6,517,261	88,696,444	7,128,519	0	13,293,650	115,635,874
Michigan	7,763,189	68,063,137	865,198	3,459,889	19,954,548	100,105,961
Idaho	1,966,278	4,330,766	5,583,720	0	86,962,568	98,843,332
Kentucky	9,110,868	67,173,934	3,162,721	8,613	17,920,255	97,376,391
South Carolina	6,939,036	51,368,275	4,571,466	0	33,491,403	96,370,180
West Virginia	4,004,486	71,707,342	7,800,464	38	11,680,198	95,192,528
Mississippi	7,756,413	37,096,764	14,058,487	6,892,506	7,497,765	73,301,935
Virginia	9,235,518	53,224,197	4,354,284	0	4,314,211	71,128,210
New York	4,768,194	33,837,327	11,595,014	250	18,449,392	68,650,177
Oregon	3,958,293	12,630,587	3,595,235	0	45,297,068	65,481,183
California	9,125,699	19,487,538	3,929,711	81,905	28,049,454	60,674,307
Wisconsin	3,955,280	35,078,793	5,627,278	0	3,288,985	47,950,336
Iowa	6,183,804	28,698,049	3,376,015	0	7,048,006	45,305,874
Maryland	1,289,581	31,778,235	2,553,054	45,000	2,142,319	37,808,189
Oklahoma	4,747,095	15,332,734	2,308,415	4,473,550	9,262,564	36,124,358
Arkansas	5,940,578	21,448,814	2,346,845	1,248,950	4,366,175	35,351,362
Kansas	4,321,670	20,156,451	846,966	1,350,665	8,108,450	34,784,202
Washington	4,011,924	19,260,270	3,126,509	0	4,254,733	30,653,436
Minnesota	3,274,723	13,766,020	1,424,458	0	9,668,127	28,133,328
Colorado	1,342,463	3,639,778	2,332,909	3,975,708	15,110,181	26,401,039
Nebraska	2,000,155	8,464,177	10,669,938	0	4,201,003	25,335,273
New Jersey	3,356,896	14,119,384	6,509,802	4	653,192	24,639,278
South Dakota	712,904	1,959,566	1,022,862	0	18,717,562	22,412,894
Wyoming	823,108	3,184,820	18,972	7,656,805	9,932,166	21,615,871
Puerto Rico	2,790,613	13,869,258	80,698	0	164,298	16,904,867
North Dakota	927,483	2,612,414	102,291	0	8,784,273	12,426,461
Delaware	711,730	9,035,552	1,126,665	0	937,936	11,811,883
Massachusetts	1,476,450	7,470,280	85,102	0	43,632	9,075,464
Maine	1,026,621	5,749,925	1,120,845	0	861,519	8,758,910
Connecticut	1,961,085	4,304,244	995,835	0	38,106	7,299,270
New Hampshire	286,265	6,038,710	127,644	0	103,787	6,556,406
Hawaii	213,956	3,351,325	2,057	3,849	33,634	3,604,821
Rhode Island	607,444	1,357,283	1,829	0	505	1,967,061
Virgin Islands	653,400	420,974	37,913	0	1,502	1,113,789
Vermont	75,523	113,646	152,219	0	1,005	342,393
District of Columbia	3,305	66,615	6	0	8,800	78,726
American Samoa	8,765	5,131	1	0	0	13,897
Guam	8,476	1,307	1,275	0	0	11,058
Northern Marianas	2,585	481	20	0	0	3,086
Total	301,939,574	1,779,264,173	246,036,273	266,420,197	4,366,280,994	6,959,941,211



1999 Toxics Release Inventory

Table 12. TRI On-site and Off-site Releases by State, 1998, Original Industries (Ordered by Total Releases),****

State	On-site Releases					Total On-site Releases Pounds	Off-site Releases	Total On- and Off-site Releases Pounds
	Fugitive or Nonpoint Air Emissions Pounds	Stack or Point Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	Release to Land Pounds		Transfers Off-site to Disposal Pounds	
Texas	43,207,900	69,375,543	31,778,531	86,733,986	20,865,887	251,961,847	18,913,988	270,875,835
Ohio	15,940,275	47,714,639	5,884,534	13,329,724	29,823,355	112,692,527	45,388,439	158,080,966
Pennsylvania	10,982,378	28,168,770	47,976,429	0	2,212,886	89,340,463	59,364,705	148,705,168
Louisiana	16,532,491	59,016,551	9,942,523	53,207,033	6,590,557	145,289,155	2,508,973	147,798,128
Indiana	17,456,609	35,785,359	2,404,763	1,039,913	16,126,198	72,812,842	50,179,241	122,992,083
Illinois	14,103,741	45,022,529	7,107,278	250	19,725,719	85,959,517	31,036,799	116,996,316
Utah	2,011,454	59,275,964	1,131,860	0	36,148,518	98,567,796	7,764,227	106,332,023
Tennessee	12,947,406	65,447,012	2,218,651	3,830,800	3,952,676	88,396,545	7,536,980	95,933,525
Michigan	7,671,138	34,058,611	663,531	3,459,889	2,136,002	47,989,171	35,699,812	83,688,983
Alabama	12,122,371	41,690,538	5,982,670	5	12,122,716	71,918,300	9,799,559	81,717,859
Florida	7,209,722	28,906,395	2,253,237	27,473,107	3,852,076	69,694,537	2,508,990	72,203,527
North Carolina	8,433,974	36,593,226	8,051,801	29,100	10,984,353	64,092,454	6,073,578	70,166,032
Georgia	6,497,828	41,435,186	6,990,610	0	2,157,128	57,080,752	10,293,005	67,373,757
Mississippi	7,741,881	27,803,272	14,053,739	6,892,506	5,469,235	61,960,633	1,342,442	63,303,075
South Carolina	6,863,515	36,989,382	4,536,925	0	2,126,720	50,516,542	10,246,532	60,763,074
Missouri	6,498,371	23,705,699	4,887,452	0	19,788,968	54,880,490	4,657,335	59,537,825
Virginia	9,202,139	35,677,135	4,075,626	0	1,506,176	50,461,076	8,095,654	58,556,730
Arizona	3,824,864	2,050,905	5,088	4	47,396,810	53,277,671	5,277,445	54,375,116
Arkansas	5,926,455	20,166,833	2,326,037	1,248,950	2,300,762	31,969,037	20,008,531	51,977,568
Montana	645,407	3,504,490	94,158	0	42,132,169	46,376,224	4,846,224	51,222,448
Wisconsin	3,932,941	21,330,227	5,601,370	0	1,594,443	32,458,981	13,629,981	46,088,962
California	8,586,501	18,596,551	3,907,815	81,905	2,278,965	33,451,737	10,271,496	43,723,233
Kentucky	9,060,580	22,318,054	1,273,833	8,613	4,070,280	36,731,360	6,422,808	43,154,168
Iowa	6,166,330	19,502,151	3,359,798	0	2,282,739	31,311,018	9,321,099	40,632,117
New York	4,647,944	17,411,238	11,421,392	250	210,258	33,691,082	6,081,096	39,772,178
Oregon	3,936,632	12,424,672	3,595,197	0	2,546,806	22,503,307	11,786,200	34,289,507
Washington	3,956,179	18,058,048	3,125,646	0	321,109	25,460,982	6,672,738	32,133,720
Kansas	4,278,789	15,189,728	839,431	1,350,665	1,693,571	23,352,184	3,185,580	26,537,764
West Virginia	3,566,271	8,775,024	7,429,677	20	43,557	19,814,549	6,468,764	26,283,313
Oklahoma	4,736,875	12,223,722	2,246,541	3,363,799	781,473	23,352,410	2,770,958	26,123,368
New Mexico	830,515	712,679	12,508	0	23,285,554	24,841,256	109,121	24,950,377
Nebraska	1,974,772	4,404,302	10,549,178	0	541,002	17,469,254	6,799,043	24,268,297
Idaho	1,947,440	4,298,222	5,575,796	0	10,145,212	21,966,670	263,382	22,230,052
New Jersey	3,161,213	6,319,121	6,472,040	4	341,292	16,293,670	4,414,340	20,708,010
Minnesota	3,266,595	12,701,620	1,407,071	0	287,772	17,663,058	2,854,671	20,517,729
Maryland	1,253,746	6,961,709	2,420,279	0	1,994,661	12,630,395	667,785	13,298,180
Maine	1,016,028	5,666,713	1,120,843	0	861,519	8,665,103	1,164,142	9,829,245
Wyoming	819,909	917,401	6,325	7,656,805	40,649	9,441,089	350,027	9,791,116
Delaware	706,238	3,540,093	1,066,925	0	347,357	5,660,613	3,731,250	9,391,863
Connecticut	1,887,800	2,933,635	995,751	0	38,106	5,855,292	2,174,175	8,029,467
Massachusetts	1,329,085	3,534,214	75,098	0	4,297	4,942,694	2,377,218	7,319,912
Puerto Rico	2,560,908	3,932,999	18,575	0	9,557	6,522,039	703,159	7,225,198
Colorado	1,168,523	1,813,205	2,327,413	0	78,414	5,387,555	1,100,518	6,488,073
Nevada	579,806	1,188,485	0	0	2,419,871	4,188,162	34,472	4,222,634
South Dakota	609,781	1,783,252	808,061	0	13,807	3,214,901	125,451	3,340,352
New Hampshire	286,217	2,012,075	127,644	0	82,087	2,508,023	438,995	2,947,018
North Dakota	906,886	1,367,942	43,280	0	2,506	2,320,614	148,217	2,468,831
Alaska	478,945	1,361,325	96,453	256	157	1,937,136	11,086	1,948,222
Rhode Island	596,911	864,029	1,468	0	505	1,462,913	319,725	1,782,638
Virgin Islands	653,120	362,894	37,903	0	1,502	1,055,419	29,138	1,084,557
Vermont	75,523	113,646	152,219	0	1,005	342,393	159,695	502,088
Hawaii	161,163	214,953	2,057	3,849	33,634	415,656	20,175	435,831
District of Columbia	2,700	0	6	0	8,800	11,506	5	11,511
American Samoa	8,750	0	0	0	0	8,750	0	8,750
Total	294,971,535	975,221,968	238,483,036	209,711,433	343,781,378	2,062,169,350	441,968,969	2,504,138,319

* One facility, Phelps Dodge Miami Inc. in Claypool, AZ, that reported under SIC code 33 and SIC code 10 in 1999 and previous years has been included in the new industry category SIC code 10 for the purpose of this analysis.

** This table includes all off-site releases reported, including off-site transfers to disposal sent to other facilities that reported that amount as an on-site release. Such off-site transfers are only excluded where the table presents amounts for all TRI facilities, for example on Table 1. For amounts of off-site releases which exclude transfers to disposal to other TRI facilities reporting that amount as an on-site release see the individual state fact sheets.

1999 Toxics Release Inventory



Table 13. TRI On-site Releases by State, 1998, Original Industries (Ordered by Total On-site Releases)*

State	On-site Releases					Total On-site Releases Pounds
	Fugitive or Nonpoint Air Emissions Pounds	Stack or Point Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	Releases to Land Pounds	
Texas	43,207,900	69,375,543	31,778,531	86,733,986	20,865,887	251,961,847
Louisiana	16,532,491	59,016,551	9,942,523	53,207,033	6,590,557	145,289,155
Ohio	15,940,275	47,714,639	5,884,534	13,329,724	29,823,355	112,692,527
Utah	2,011,454	59,275,964	1,131,860	0	36,148,518	98,567,796
Pennsylvania	10,982,378	28,168,770	47,976,429	0	2,212,886	89,340,463
Tennessee	12,947,406	65,447,012	2,218,651	3,830,800	3,952,676	88,396,545
Illinois	14,103,741	45,022,529	7,107,278	250	19,725,719	85,959,517
Indiana	17,456,609	35,785,359	2,404,763	1,039,913	16,126,198	72,812,842
Alabama	12,122,371	41,690,538	5,982,670	5	12,122,716	71,918,300
Florida	7,209,722	28,906,395	2,253,237	27,473,107	3,852,076	69,694,537
North Carolina	8,433,974	36,593,226	8,051,801	29,100	10,984,353	64,092,454
Mississippi	7,741,881	27,803,272	14,053,739	6,892,506	5,469,235	61,960,633
Georgia	6,497,828	41,435,186	6,990,610	0	2,157,128	57,080,752
Missouri	6,498,371	23,705,699	4,887,452	0	19,788,968	54,880,490
Arizona	3,824,864	2,050,905	5,088	4	47,396,810	53,277,671
South Carolina	6,863,515	36,989,382	4,536,925	0	2,126,720	50,516,542
Virginia	9,202,139	35,677,135	4,075,626	0	1,506,176	50,461,076
Michigan	7,671,138	34,058,611	663,531	3,459,889	2,136,002	47,989,171
Montana	645,407	3,504,490	94,158	0	42,132,169	46,376,224
Kentucky	9,060,580	22,318,054	1,273,833	8,613	4,070,280	36,731,360
New York	4,647,944	17,411,238	11,421,392	250	210,258	33,691,082
California	8,586,501	18,596,551	3,907,815	81,905	2,278,965	33,451,737
Wisconsin	3,932,941	21,330,227	5,601,370	0	1,594,443	32,458,981
Arkansas	5,926,455	20,166,833	2,326,037	1,248,950	2,300,762	31,969,037
Iowa	6,166,330	19,502,151	3,359,798	0	2,282,739	31,311,018
Washington	3,956,179	18,058,048	3,125,646	0	321,109	25,460,982
New Mexico	830,515	712,679	12,508	0	23,285,554	24,841,256
Oklahoma	4,736,875	12,223,722	2,246,541	3,363,799	781,473	23,352,410
Kansas	4,278,789	15,189,728	839,431	1,350,665	1,693,571	23,352,184
Oregon	3,936,632	12,424,672	3,595,197	0	2,546,806	22,503,307
Idaho	1,947,440	4,298,222	5,575,796	0	10,145,212	21,966,670
West Virginia	3,566,271	8,775,024	7,429,677	20	43,557	19,814,549
Minnesota	3,266,595	12,701,620	1,407,071	0	287,772	17,663,058
Nebraska	1,974,772	4,404,302	10,549,178	0	541,002	17,469,254
New Jersey	3,161,213	6,319,121	6,472,040	4	341,292	16,293,670
Maryland	1,253,746	6,961,709	2,420,279	0	1,994,661	12,630,395
Wyoming	819,909	917,401	6,325	7,656,805	40,649	9,441,089
Maine	1,016,028	5,666,713	1,120,843	0	861,519	8,665,103
Puerto Rico	2,560,908	3,932,999	18,575	0	9,557	6,522,039
Connecticut	1,887,800	2,933,635	995,751	0	38,106	5,855,292
Delaware	706,238	3,540,093	1,066,925	0	347,357	5,660,613
Colorado	1,168,523	1,813,205	2,327,413	0	78,414	5,387,555
Massachusetts	1,329,085	3,534,214	75,098	0	4,297	4,942,694
Nevada	579,806	1,188,485	0	0	2,419,871	4,188,162
South Dakota	609,781	1,783,252	808,061	0	13,807	3,214,901
New Hampshire	286,217	2,012,075	127,644	0	82,087	2,508,023
North Dakota	906,886	1,367,942	43,280	0	2,506	2,320,614
Alaska	478,945	1,361,325	96,453	256	157	1,937,136
Rhode Island	596,911	864,029	1,468	0	505	1,462,913
Virgin Islands	653,120	362,894	37,903	0	1,502	1,055,419
Hawaii	161,163	214,953	2,057	3,849	33,634	415,656
Vermont	75,523	113,646	152,219	0	1,005	342,393
District of Columbia	2,700	0	6	0	8,800	11,506
American Samoa	8,750	0	0	0	0	8,750
Total	294,971,535	975,221,968	238,483,036	209,711,433	343,781,378	2,062,169,350

* One facility, Phelps Dodge Miami Inc. in Claypool, AZ, that reported under SIC code 33 and SIC code 10 in 1999 and previous years has been included in the new industry category SIC code 10 for the purpose of this analysis.



1999 Toxics Release Inventory

Table 14. TRI On-site and Off-site Releases by State, 1998, New Industries (Ordered by Total Releases)*, **

State	On-site Releases					Total On-site Releases Pounds	Off-site Releases	Total On- and Off-site Releases Pounds
	Fugitive or Nonpoint Air Emissions Pounds	Stack or Point Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	Releases to Land Pounds		Transfers Off-site to Disposal Pounds	
Nevada	1,300,603	1,306,491	241,540	1,404	1,311,980,631	1,314,830,669	309,459	1,315,140,128
Arizona	453,226	3,783,407	1,148	0	1,011,197,312	1,015,435,093	73,604	1,015,508,697
Utah	138,210	3,523,974	14,940	0	471,703,893	475,381,017	499,541	475,880,558
Alaska	504,445	606,175	1,324	29,024,000	274,958,627	305,094,571	351	305,094,922
New Mexico	234,614	864,825	8,476	0	232,815,673	233,923,588	5,547,140	239,470,728
Ohio	261,164	95,456,082	389,182	15,441,000	64,471,685	176,019,113	13,755,132	189,774,245
North Carolina	38,960	72,859,410	100,822	0	8,304,875	81,304,067	688,889	81,992,956
Missouri	184,063	13,080,198	159,898	0	66,187,634	79,611,793	4,223	79,616,016
Pennsylvania	95,059	57,715,375	643,733	80,401	9,849,574	68,384,142	10,804,992	79,189,134
Montana	171,218	949,416	10	0	76,507,906	77,628,550	246,350	77,874,900
West Virginia	438,215	62,932,318	370,787	18	11,636,641	75,377,979	1,959,041	77,337,020
Idaho	18,838	32,544	7,924	0	76,817,356	76,876,662	73	76,876,735
Indiana	124,760	44,409,980	315,133	480	17,692,631	62,542,984	12,588,776	75,131,760
Florida	117,554	56,465,092	50,115	0	11,097,259	67,730,020	2,548,777	70,278,797
Illinois	84,389	32,287,117	46,536	0	29,293,784	61,711,826	5,399,681	67,111,507
Kentucky	50,288	44,855,880	1,888,888	0	13,849,975	60,645,031	649,251	61,294,282
Alabama	23,920	28,610,621	251,521	45,000	29,954,748	58,885,810	532,763	59,418,573
Georgia	19,433	47,261,258	137,909	0	11,136,522	58,555,122	2,544	58,557,666
Texas	466,222	7,834,270	46,440	6,455,651	31,523,001	46,325,584	11,946,314	58,271,898
Michigan	92,051	34,004,526	201,667	0	17,818,546	52,116,790	5,761,637	57,878,427
Tennessee	42,820	26,872,140	1,215,027	0	18,354,661	46,484,648	577,205	47,061,853
South Carolina	75,521	14,378,893	34,541	0	31,364,683	45,853,638	289,460	46,143,098
Oregon	21,661	205,915	38	0	42,750,262	42,977,876	21,657	42,999,533
New York	120,250	16,426,089	173,622	0	18,239,134	34,959,095	555,836	35,514,931
California	539,198	890,987	21,896	0	25,770,489	27,222,570	385,720	27,608,290
Maryland	35,835	24,816,526	132,775	45,000	147,658	25,177,794	509,326	25,687,120
Colorado	173,940	1,826,573	5,496	3,975,708	15,031,767	21,013,484	4,393,283	25,406,767
North Dakota	20,597	1,244,472	59,011	0	8,781,767	10,105,847	11,302,469	21,408,316
Virginia	33,379	17,547,062	278,658	0	2,808,035	20,667,134	371,910	21,039,044
South Dakota	103,123	176,314	214,801	0	18,703,755	19,197,993	97,005	19,294,998
Wisconsin	22,339	13,748,566	25,908	0	1,694,542	15,491,355	2,297,025	17,788,380
Iowa	17,474	9,195,898	16,217	0	4,765,267	13,994,856	1,040,966	15,035,822
Oklahoma	10,220	3,109,012	61,874	1,109,751	8,481,091	12,771,948	1,760,195	14,532,143
Wyoming	3,199	2,267,419	12,647	0	9,891,517	12,174,782	1,169,392	13,344,174
Louisiana	33,001	4,218,944	79,250	530,351	8,315,658	13,177,204	154,129	13,331,333
Minnesota	8,128	1,064,400	17,387	0	9,380,355	10,470,270	1,156,994	11,627,264
Kansas	42,881	4,966,723	7,535	0	6,414,879	11,432,018	114,165	11,546,183
Mississippi	14,532	9,293,492	4,748	0	2,028,530	11,341,302	751	11,342,053
Puerto Rico	229,705	9,936,259	62,123	0	154,741	10,382,828	271,514	10,654,342
New Jersey	195,683	7,800,263	37,762	0	311,900	8,345,608	508,819	8,854,427
Nebraska	25,383	4,059,875	120,760	0	3,660,001	7,866,019	190,056	8,056,075
Washington	55,745	1,202,222	863	0	3,933,624	5,192,454	1,813,895	7,006,349
Delaware	5,492	5,495,459	59,740	0	590,579	6,151,270	264,462	6,415,732
Massachusetts	147,365	3,936,066	10,004	0	39,335	4,132,770	1,812,978	5,945,748
New Hampshire	48	4,026,635	0	0	21,700	4,048,383	49,870	4,098,253
Arkansas	14,123	1,281,981	20,808	0	2,065,413	3,382,325	434,503	3,816,828
Hawaii	52,793	3,136,372	0	0	0	3,189,165	4,750	3,193,915
Connecticut	73,285	1,370,609	84	0	0	1,443,978	1,162,485	2,606,463
Rhode Island	10,533	493,254	361	0	0	504,148	36,656	540,804
Maine	10,593	83,212	2	0	0	93,807	17,164	110,971
District of Columbia	605	66,615	0	0	0	67,220	0	67,220
Virgin Islands	280	58,080	10	0	0	58,370	35	58,405
Guam	8,476	1,307	1,275	0	0	11,058	0	11,058
American Samoa	15	5,131	1	0	0	5,147	0	5,147
Northern Marianas	2,585	481	20	0	0	3,086	0	3,086
Total	6,968,039	804,042,205	7,553,237	56,708,764	4,022,499,616	4,897,771,861	106,083,213	5,003,855,074

* One facility, Phelps Dodge Miami Inc. in Claypool, AZ, that reported under SIC code 33 and SIC code 10 in 1999 and previous years has been included in the new industry category SIC code 10 for the purpose of this analysis.

** This table includes all off-site releases reported, including off-site transfers to disposal sent to other facilities that reported that amount as an on-site release. Such off-site transfers are only excluded where the table presents amounts for all TRI facilities, for example on Table 1. For amounts of off-site releases which exclude transfers to disposal to other TRI facilities reporting that amount as an on-site release see the individual state fact sheets.

1999 Toxics Release Inventory



Table 15. TRI On-site Releases by State, 1998, New Industries (Ordered by Total On-site Releases)*

State	On-site Releases					Total On-site Releases Pounds
	Fugitive or Nonpoint Air Emissions Pounds	Stack or Point Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	Releases to Land Pounds	
Nevada	1,300,603	1,306,491	241,540	1,404	1,311,980,631	1,314,830,669
Arizona	453,226	3,783,407	1,148	0	1,011,197,312	1,015,435,093
Utah	138,210	3,523,974	14,940	0	471,703,893	475,381,017
Alaska	504,445	606,175	1,324	29,024,000	274,958,627	305,094,571
New Mexico	234,614	864,825	8,476	0	232,815,673	233,923,588
Ohio	261,164	95,456,082	389,182	15,441,000	64,471,685	176,019,113
North Carolina	38,960	72,859,410	100,822	0	8,304,875	81,304,067
Missouri	184,063	13,080,198	159,898	0	66,187,634	79,611,793
Montana	171,218	949,416	10	0	76,507,906	77,628,550
Idaho	18,838	32,544	7,924	0	76,817,356	76,876,662
West Virginia	438,215	62,932,318	370,787	18	11,636,641	75,377,979
Pennsylvania	95,059	57,715,375	643,733	80,401	9,849,574	68,384,142
Florida	117,554	56,465,092	50,115	0	11,097,259	67,730,020
Indiana	124,760	44,409,980	315,133	480	17,692,631	62,542,984
Illinois	84,389	32,287,117	46,536	0	29,293,784	61,711,826
Kentucky	50,288	44,855,880	1,888,888	0	13,849,975	60,645,031
Alabama	23,920	28,610,621	251,521	45,000	29,954,748	58,885,810
Georgia	19,433	47,261,258	137,909	0	11,136,522	58,555,122
Michigan	92,051	34,004,526	201,667	0	17,818,546	52,116,790
Tennessee	42,820	26,872,140	1,215,027	0	18,354,661	46,484,648
Texas	466,222	7,834,270	46,440	6,455,651	31,523,001	46,325,584
South Carolina	75,521	14,378,893	34,541	0	31,364,683	45,853,638
Oregon	21,661	205,915	38	0	42,750,262	42,977,876
New York	120,250	16,426,089	173,622	0	18,239,134	34,959,095
California	539,198	890,987	21,896	0	25,770,489	27,222,570
Maryland	35,835	24,816,526	132,775	45,000	147,658	25,177,794
Colorado	173,940	1,826,573	5,496	3,975,708	15,031,767	21,013,484
Virginia	33,379	17,547,062	278,658	0	2,808,035	20,667,134
South Dakota	103,123	176,314	214,801	0	18,703,755	19,197,993
Wisconsin	22,339	13,748,566	25,908	0	1,694,542	15,491,355
Iowa	17,474	9,195,898	16,217	0	4,765,267	13,994,856
Louisiana	33,001	4,218,944	79,250	530,351	8,315,658	13,177,204
Oklahoma	10,220	3,109,012	61,874	1,109,751	8,481,091	12,771,948
Wyoming	3,199	2,267,419	12,647	0	9,891,517	12,174,782
Kansas	42,881	4,966,723	7,535	0	6,414,879	11,432,018
Mississippi	14,532	9,293,492	4,748	0	2,028,530	11,341,302
Minnesota	8,128	1,064,400	17,387	0	9,380,355	10,470,270
Puerto Rico	229,705	9,936,259	62,123	0	154,741	10,382,828
North Dakota	20,597	1,244,472	59,011	0	8,781,767	10,105,847
New Jersey	195,683	7,800,263	37,762	0	311,900	8,345,608
Nebraska	25,383	4,059,875	120,760	0	3,660,001	7,866,019
Delaware	5,492	5,495,459	59,740	0	590,579	6,151,270
Washington	55,745	1,202,222	863	0	3,933,624	5,192,454
Massachusetts	147,365	3,936,066	10,004	0	39,335	4,132,770
New Hampshire	48	4,026,635	0	0	21,700	4,048,383
Arkansas	14,123	1,281,981	20,808	0	2,065,413	3,382,325
Hawaii	52,793	3,136,372	0	0	0	3,189,165
Connecticut	73,285	1,370,609	84	0	0	1,443,978
Rhode Island	10,533	493,254	361	0	0	504,148
Maine	10,593	83,212	2	0	0	93,807
District of Columbia	605	66,615	0	0	0	67,220
Virgin Islands	280	58,080	10	0	0	58,370
Guam	8,476	1,307	1,275	0	0	11,058
American Samoa	15	5,131	1	0	0	5,147
Northern Marianas	2,585	481	20	0	0	3,086
Total	6,968,039	804,042,205	7,553,237	56,708,764	4,022,499,616	4,897,771,861

* One facility, Phelps Dodge Miami Inc. in Claypool, AZ, that reported under SIC code 33 and SIC code 10 in 1999 and previous years has been included in the new industry category SIC code 10 for the purpose of this analysis.



1999 Toxics Release Inventory

Table 16. TRI On-site and Off-site Releases by State, 1997 (Ordered by Total Releases)

State	On-site Releases					Total On-site Releases Pounds	Off-site Releases	Total On- and Off-site Releases Pounds
	Fugitive or Nonpoint Air Emissions Pounds	Stack or Point Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	Releases to Land Pounds		Transfers Off-site to Disposal Pounds	
Texas	43,462,405	63,928,830	26,612,432	88,270,537	21,502,448	243,776,652	21,940,785	265,717,437
Ohio	17,461,164	49,521,830	6,230,691	11,584,640	27,574,103	112,372,428	48,705,125	161,077,553
Louisiana	15,339,896	58,731,518	10,694,256	56,218,547	6,790,703	147,774,920	2,561,974	150,336,894
Pennsylvania	12,775,120	28,549,473	41,500,522	0	667,699	83,492,814	63,637,090	147,129,904
Indiana	18,596,952	38,732,272	2,712,410	1,262,661	24,254,919	85,559,214	44,095,703	129,654,917
Illinois	14,577,832	52,034,978	5,094,830	3,350	23,090,324	94,801,314	32,136,131	126,937,445
Tennessee	15,122,729	67,167,096	2,597,239	9,327,267	4,995,257	99,209,588	8,749,745	107,959,333
Utah	2,040,499	63,618,890	1,230,027	0	27,246,098	94,135,514	9,791,157	103,926,671
Alabama	13,472,511	48,840,530	6,061,412	10	10,564,587	78,939,050	17,016,536	95,955,586
Michigan	8,171,813	37,723,139	902,700	5,596,859	2,645,112	55,039,623	32,171,413	87,211,036
North Carolina	9,971,944	43,086,307	7,120,800	29,100	10,078,512	70,286,663	8,034,638	78,321,301
Georgia	6,925,362	42,987,891	8,089,282	0	3,149,793	61,152,328	14,142,410	75,294,738
Florida	6,677,838	25,709,114	1,962,618	28,082,386	1,322,532	63,754,488	7,319,249	71,073,737
Mississippi	8,675,786	30,772,730	14,907,203	8,544,641	6,002,031	68,902,391	1,752,049	70,654,440
Missouri	7,709,181	26,164,153	5,154,064	0	20,138,599	59,165,997	4,895,937	64,061,934
South Carolina	7,138,626	34,790,152	4,502,950	0	2,180,301	48,612,029	13,810,107	62,422,136
Arkansas	6,376,543	19,871,274	2,650,934	1,522,912	3,878,880	34,300,543	26,913,001	61,213,544
Virginia	10,297,210	36,910,372	5,037,318	0	1,313,894	53,558,794	6,440,467	59,999,261
Kentucky	10,551,654	25,344,829	1,272,088	0	3,309,644	40,478,215	8,522,847	49,001,062
Wisconsin	4,533,016	21,645,873	4,700,851	0	1,678,435	32,558,175	14,181,847	46,740,022
California	10,135,985	20,166,602	4,317,555	414,781	1,820,400	36,855,323	8,237,586	45,092,909
Montana	691,368	3,888,562	97,172	0	37,719,659	42,396,761	1,225,051	43,621,812
New York	5,422,705	19,268,502	8,156,296	250	1,327,808	34,175,561	8,993,949	43,169,510
New Mexico	1,154,470	1,313,533	8,050	0	39,366,196	41,842,249	83,532	43,169,510
Iowa	5,324,060	19,321,409	2,768,345	0	1,764,058	29,177,872	5,490,078	34,667,950
Washington	4,264,844	17,382,610	2,331,394	0	338,644	24,317,492	7,425,198	31,742,690
Arizona	6,299,356	2,792,058	4,916	6	22,115,963	31,212,299	442,890	31,655,189
Oregon	3,666,213	12,964,105	3,949,309	0	2,908,879	23,488,506	6,590,831	30,079,337
Oklahoma	4,952,907	13,742,346	2,544,610	1,763,497	849,724	23,853,084	3,189,878	27,042,962
Kansas	4,840,350	15,319,655	761,310	996,103	1,055,165	22,972,583	4,012,482	26,985,065
West Virginia	3,782,636	10,611,960	6,460,033	0	71,656	20,926,285	4,140,656	25,066,941
New Jersey	3,462,558	6,262,077	6,701,108	4	952,454	17,378,201	4,741,011	22,119,212
Minnesota	3,268,549	13,812,885	1,304,044	0	250,841	18,636,319	2,548,549	21,184,868
Nebraska	2,266,418	5,170,814	2,335,832	0	593,079	10,366,143	9,550,487	19,916,630
Idaho	1,721,534	3,631,355	1,128,709	0	10,987,120	17,468,718	267,058	17,735,776
Maryland	1,434,265	6,752,602	2,082,618	1	2,559,014	12,828,500	1,188,402	14,016,902
Connecticut	2,363,418	3,411,801	1,118,331	0	39,779	6,933,329	3,557,078	10,490,407
Maine	1,064,917	5,614,551	1,048,378	0	380,233	8,108,079	1,820,567	9,928,646
Wyoming	880,429	1,351,796	7,485	6,820,755	214,771	9,275,236	7,802	9,283,038
Delaware	549,039	2,361,193	1,328,937	0	317,243	4,556,412	4,017,944	8,574,356
Puerto Rico	3,184,590	3,967,275	17,529	0	4,772	7,174,166	833,502	8,007,668
Massachusetts	2,011,399	3,776,046	72,003	0	32,153	5,891,601	1,355,266	7,246,867
Colorado	1,212,156	2,223,894	2,155,029	5	117,011	5,708,095	300,001	6,008,096
Alaska	516,879	3,762,997	334,183	430	1,948	4,616,437	1,507	4,617,944
Nevada	526,536	1,209,463	0	0	2,722,055	4,458,054	17,357	4,475,411
South Dakota	767,878	1,539,637	1,800,093	0	6,474	4,114,082	129,714	4,243,796
New Hampshire	290,992	1,977,246	115,150	0	216,025	2,599,413	275,482	2,874,895
North Dakota	402,898	1,544,065	439,714	0	2,463	2,389,140	33,285	2,422,425
Rhode Island	860,838	954,298	2,177	0	2,094	1,819,407	401,571	2,220,978
Virgin Islands	977,512	423,886	25,723	0	1,468	1,428,589	108	1,428,697
Vermont	71,633	130,056	191,222	0	262	393,173	379,200	772,373
Hawaii	207,891	202,092	2,119	25,750	6,188	444,040	8,365	452,405
American Samoa	7,000	0	0	0	0	7,000	0	7,000
District of Columbia	3,300	10	5	0	3,300	6,615	0	6,615
Guam	0	0	0	0	0	0	0	0
Total	318,465,604	1,022,982,632	212,644,006	220,464,492	331,132,770	2,105,689,504	468,084,598	2,573,774,102

1999 Toxics Release Inventory



Table 17. TRI On-site by State, 1997 (Ordered by Total On-site Releases)

State	On-site Releases					Total On-site Releases Pounds
	Fugitive or Nonpoint Air Emissions Pounds	Stack or Point Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	Releases to Land Pounds	
Texas	43,462,405	63,928,830	26,612,432	88,270,537	21,502,448	243,776,652
Ohio	17,461,164	49,521,830	6,230,691	11,584,640	27,574,103	112,372,428
Louisiana	15,339,896	58,731,518	10,694,256	56,218,547	6,790,703	147,774,920
Pennsylvania	12,775,120	28,549,473	41,500,522	0	667,699	83,492,814
Indiana	18,596,952	38,732,272	2,712,410	1,262,661	24,254,919	85,559,214
Illinois	14,577,832	52,034,978	5,094,830	3,350	23,090,324	94,801,314
Tennessee	15,122,729	67,167,096	2,597,239	9,327,267	4,995,257	99,209,588
Utah	2,040,499	63,618,890	1,230,027	0	27,246,098	94,135,514
Alabama	13,472,511	48,840,530	6,061,412	10	10,564,587	78,939,050
Michigan	8,171,813	37,723,139	902,700	5,596,859	2,645,112	55,039,623
North Carolina	9,971,944	43,086,307	7,120,800	29,100	10,078,512	70,286,663
Georgia	6,925,362	42,987,891	8,089,282	0	3,149,793	61,152,328
Florida	6,677,838	25,709,114	1,962,618	28,082,386	1,322,532	63,754,488
Mississippi	8,675,786	30,772,730	14,907,203	8,544,641	6,002,031	68,902,391
Missouri	7,709,181	26,164,153	5,154,064	0	20,138,599	59,165,997
South Carolina	7,138,626	34,790,152	4,502,950	0	2,180,301	48,612,029
Arkansas	6,376,543	19,871,274	2,650,934	1,522,912	3,878,880	34,300,543
Virginia	10,297,210	36,910,372	5,037,318	0	1,313,894	53,558,794
Kentucky	10,551,654	25,344,829	1,272,088	0	3,309,644	40,478,215
Wisconsin	4,533,016	21,645,873	4,700,851	0	1,678,435	32,558,175
California	10,135,985	20,166,602	4,317,555	414,781	1,820,400	36,855,323
Montana	691,368	3,888,562	97,172	0	37,719,659	42,396,761
New York	5,422,705	19,268,502	8,156,296	250	1,327,808	34,175,561
New Mexico	1,154,470	1,313,533	8,050	0	39,366,196	41,842,249
Iowa	5,324,060	19,321,409	2,768,345	0	1,764,058	29,177,872
Washington	4,264,844	17,382,610	2,331,394	0	338,644	24,317,492
Arizona	6,299,356	2,792,058	4,916	6	22,115,963	31,212,299
Oregon	3,666,213	12,964,105	3,949,309	0	2,908,879	23,488,506
Oklahoma	4,952,907	13,742,346	2,544,610	1,763,497	849,724	23,853,084
Kansas	4,840,350	15,319,655	761,310	996,103	1,055,165	22,972,583
West Virginia	3,782,636	10,611,960	6,460,033	0	71,656	20,926,285
New Jersey	3,462,558	6,262,077	6,701,108	4	952,454	17,378,201
Minnesota	3,268,549	13,812,885	1,304,044	0	250,841	18,636,319
Nebraska	2,266,418	5,170,814	2,335,832	0	593,079	10,366,143
Idaho	1,721,534	3,631,355	1,128,709	0	10,987,120	17,468,718
Maryland	1,434,265	6,752,602	2,082,618	1	2,559,014	12,828,500
Connecticut	2,363,418	3,411,801	1,118,331	0	39,779	6,933,329
Maine	1,064,917	5,614,551	1,048,378	0	380,233	8,108,079
Wyoming	880,429	1,351,796	7,485	6,820,755	214,771	9,275,236
Delaware	549,039	2,361,193	1,328,937	0	317,243	4,556,412
Puerto Rico	3,184,590	3,967,275	17,529	0	4,772	7,174,166
Massachusetts	2,011,399	3,776,046	72,003	0	32,153	5,891,601
Colorado	1,212,156	2,223,894	2,155,029	5	117,011	5,708,095
Alaska	516,879	3,762,997	334,183	430	1,948	4,616,437
Nevada	526,536	1,209,463	0	0	2,722,055	4,458,054
South Dakota	767,878	1,539,637	1,800,093	0	6,474	4,114,082
New Hampshire	290,992	1,977,246	115,150	0	216,025	2,599,413
North Dakota	402,898	1,544,065	439,714	0	2,463	2,389,140
Rhode Island	860,838	954,298	2,177	0	2,094	1,819,407
Virgin Islands	977,512	423,886	25,723	0	1,468	1,428,589
Vermont	71,633	130,056	191,222	0	262	393,173
Hawaii	207,891	202,092	2,119	25,750	6,188	444,040
American Samoa	7,000	0	0	0	0	7,000
District of Columbia	3,300	10	5	0	3,300	6,615
Guam	0	0	0	0	0	0
Total	318,465,604	1,022,982,632	212,644,006	220,464,492	331,132,770	2,105,689,504



1999 Toxics Release Inventory

Table 18. TRI On-site and Off-site Releases by State, 1996 (Ordered by Total Releases)

State	On-site Releases						Off-site Releases	Total On- and Off-site Releases Pounds
	Fugitive or Nonpoint Air Emissions Pounds	Stack or Point Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	Releases to Land Pounds	Total On-site Releases Pounds	Transfers Off-site to Disposal Pounds	
Texas	49,055,262	76,652,398	24,137,992	90,689,231	15,582,059	256,116,942	14,481,795	270,598,737
Louisiana	15,711,163	69,136,276	10,240,100	58,918,722	4,369,709	158,375,970	2,549,708	160,925,678
Ohio	20,478,707	50,624,231	6,243,241	13,680,825	29,664,096	120,691,100	38,438,042	159,129,142
Pennsylvania	14,878,638	28,130,515	25,039,947	0	1,249,571	69,298,671	52,552,509	121,851,180
Indiana	21,257,371	43,496,818	2,825,090	1,174,432	14,637,772	83,391,483	36,655,550	120,047,033
Tennessee	16,201,613	69,720,619	2,669,014	11,482,682	5,607,958	105,681,886	11,948,640	117,630,526
Illinois	16,521,409	52,979,368	5,411,956	755	23,151,039	98,064,527	18,490,280	116,554,807
Alabama	14,713,958	64,468,914	5,374,144	10	7,413,014	91,970,040	13,206,769	105,176,809
Michigan	9,824,442	40,286,963	1,096,619	6,617,818	3,707,755	61,533,597	33,831,908	95,365,505
Utah	2,204,868	66,828,630	1,334,406	0	12,508,365	82,876,269	5,227,157	88,103,426
North Carolina	11,457,099	50,810,546	7,185,225	0	9,413,073	78,865,943	7,758,817	86,624,760
Florida	6,682,027	25,846,548	1,838,011	23,591,627	1,551,199	59,509,412	2,080,648	69,793,251
Mississippi	10,234,529	30,721,417	12,589,792	6,533,131	5,589,533	65,668,402	2,439,169	68,107,571
Georgia	7,539,966	41,107,898	7,696,310	0	2,439,686	58,783,860	5,577,719	64,361,579
Missouri	8,563,994	27,335,451	6,393,338	0	16,799,439	59,092,222	4,254,141	63,346,363
Virginia	10,567,625	39,842,810	6,637,880	10	1,296,153	58,344,478	2,080,648	60,425,126
South Carolina	8,231,472	38,343,766	4,336,667	0	873,979	51,785,884	8,113,439	59,899,323
California	12,457,123	26,681,456	4,547,378	752,529	1,639,006	46,077,492	8,819,050	54,896,542
Kentucky	8,983,274	30,452,912	1,855,770	0	2,568,082	43,860,038	8,303,382	52,163,420
Montana	882,327	3,149,626	91,808	0	44,362,523	48,486,284	34,193	48,520,477
Arizona	6,097,620	3,107,970	4,878	5	37,802,863	47,013,336	546,944	47,560,280
Wisconsin	4,727,823	22,338,601	4,445,767	0	720,002	32,232,193	14,305,074	46,537,267
New Mexico	768,800	1,282,845	16,419	0	42,278,187	44,346,251	72,686	44,418,937
Arkansas	8,004,394	21,279,969	2,275,767	1,808,402	1,733,495	35,102,027	8,813,289	43,915,316
New York	6,136,966	20,819,163	8,027,076	500	1,150,608	36,134,313	5,754,432	41,888,745
Iowa	5,572,318	23,139,721	2,863,877	0	1,548,440	33,124,356	2,712,969	35,837,325
West Virginia	4,273,505	12,782,956	8,704,504	0	521,958	26,282,923	3,505,118	29,788,041
Oregon	4,441,070	13,304,919	3,585,769	0	2,460,887	23,792,645	5,878,696	29,671,341
Washington	4,834,458	18,606,505	2,580,866	0	139,278	26,161,107	2,612,913	28,774,020
Oklahoma	5,007,563	16,293,744	1,775,228	1,055,425	143,753	24,275,713	3,523,611	27,799,324
Kansas	5,693,277	14,708,434	591,703	1,049,098	997,332	23,039,844	3,934,344	26,974,188
Minnesota	3,293,378	16,590,472	831,863	0	83,177	20,798,890	2,073,047	22,871,937
New Jersey	3,859,299	6,299,459	6,159,269	6	619,831	16,937,864	3,352,425	20,290,289
Idaho	1,615,767	3,169,221	1,040,513	0	12,323,871	18,149,372	81,309	18,230,681
Nebraska	2,475,925	5,754,118	2,818,132	0	550,729	11,598,904	3,874,049	15,472,953
Maryland	1,697,682	6,879,547	1,942,214	0	1,824,269	12,343,712	818,285	13,161,997
Wyoming	950,184	2,051,530	9,406	6,438,555	189,404	9,639,079	31,277	9,670,356
Maine	1,061,155	6,384,298	606,830	0	192,923	8,245,206	1,401,482	9,646,688
Connecticut	2,749,981	4,332,263	1,034,755	0	60,411	8,177,410	1,362,390	9,539,800
Puerto Rico	3,793,042	4,365,451	225,787	0	7,595	8,391,875	659,914	9,051,789
Massachusetts	2,471,001	4,320,805	133,352	0	15,944	6,941,102	1,240,240	8,181,342
Delaware	723,339	2,719,145	1,395,328	0	42,459	4,880,271	2,964,461	7,844,732
Alaska	444,665	5,433,523	1,024,160	420	6,015	6,908,783	0	6,908,783
Colorado	1,129,689	2,423,092	2,084,531	0	102,981	5,740,293	432,547	6,172,840
Nevada	329,079	1,091,813	0	0	2,334,264	3,755,156	59,513	3,814,669
South Dakota	525,912	1,182,771	1,900,182	0	1,008	3,609,873	137,658	3,747,531
New Hampshire	482,095	1,858,808	105,158	0	188,345	2,634,406	345,500	2,979,906
Rhode Island	929,839	1,103,146	8,748	0	10,538	2,052,271	350,126	2,402,397
North Dakota	398,199	1,605,732	317,633	0	758	2,322,322	3,490	2,325,812
Virgin Islands	961,406	506,479	31,720	0	6,526	1,506,131	12	1,506,143
Vermont	105,501	202,948	125,014	0	1,601	435,064	273,658	708,722
Hawaii	318,432	178,076	3,265	33,209	3,290	536,272	3,995	540,267
American Samoa	10,500	0	0	0	0	10,500	0	10,500
District of Columbia	3,900	10	300	0	5,000	9,210	250	9,460
Guam	0	0	3,000	0	0	3,000	0	3,000
Total	352,334,631	1,122,734,696	194,217,702	223,827,392	312,491,753	2,205,606,174	356,172,459	2,561,778,633

1999 Toxics Release Inventory



Table 19. TRI On-site Releases by State, 1996 (Ordered by Total On-site Releases)

State	On-site Releases					Total On-site Releases Pounds
	Fugitive or Nonpoint Air Emissions Pounds	Stack or Point Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	Releases to Land Pounds	
Texas	49,055,262	76,652,398	24,137,992	90,689,231	15,582,059	256,116,942
Louisiana	15,711,163	69,136,276	10,240,100	58,918,722	4,369,709	158,375,970
Ohio	20,478,707	50,624,231	6,243,241	13,680,825	29,664,096	120,691,100
Tennessee	16,201,613	69,720,619	2,669,014	11,482,682	5,607,958	105,681,886
Illinois	16,521,409	52,979,368	5,411,956	755	23,151,039	98,064,527
Alabama	14,713,958	64,468,914	5,374,144	10	7,413,014	91,970,040
Indiana	21,257,371	43,496,818	2,825,090	1,174,432	14,637,772	83,391,483
Utah	2,204,868	66,828,630	1,334,406	0	12,508,365	82,876,269
North Carolina	11,457,099	50,810,546	7,185,225	0	9,413,073	78,865,943
Pennsylvania	14,878,638	28,130,515	25,039,947	0	1,249,571	69,298,671
Mississippi	10,234,529	30,721,417	12,589,792	6,533,131	5,589,533	65,668,402
Michigan	9,824,442	40,286,963	1,096,619	6,617,818	3,707,755	61,533,597
Florida	6,682,027	25,846,548	1,838,011	23,591,627	1,551,199	59,509,412
Missouri	8,563,994	27,335,451	6,393,338	0	16,799,439	59,092,222
Georgia	7,539,966	41,107,898	7,696,310	0	2,439,686	58,783,860
Virginia	10,567,625	39,842,810	6,637,880	10	1,296,153	58,344,478
South Carolina	8,231,472	38,343,766	4,336,667	0	873,979	51,785,884
Montana	882,327	3,149,626	91,808	0	44,362,523	48,486,284
Arizona	6,097,620	3,107,970	4,878	5	37,802,863	47,013,336
California	12,457,123	26,681,456	4,547,378	752,529	1,639,006	46,077,492
New Mexico	768,800	1,282,845	16,419	0	42,278,187	44,346,251
Kentucky	8,983,274	30,452,912	1,855,770	0	2,568,082	43,860,038
New York	6,136,966	20,819,163	8,027,076	500	1,150,608	36,134,313
Arkansas	8,004,394	21,279,969	2,275,767	1,808,402	1,733,495	35,102,027
Iowa	5,572,318	23,139,721	2,863,877	0	1,548,440	33,124,356
Wisconsin	4,727,823	22,338,601	4,445,767	0	720,002	32,232,193
West Virginia	4,273,505	12,782,956	8,704,504	0	521,958	26,282,923
Washington	4,834,458	18,606,505	2,580,866	0	139,278	26,161,107
Oklahoma	5,007,563	16,293,744	1,775,228	1,055,425	143,753	24,275,713
Oregon	4,441,070	13,304,919	3,585,769	0	2,460,887	23,792,645
Kansas	5,693,277	14,708,434	591,703	1,049,098	997,332	23,039,844
Minnesota	3,293,378	16,590,472	831,863	0	83,177	20,798,890
Idaho	1,615,767	3,169,221	1,040,513	0	12,323,871	18,149,372
New Jersey	3,859,299	6,299,459	6,159,269	6	619,831	16,937,864
Maryland	1,697,682	6,879,547	1,942,214	0	1,824,269	12,343,712
Nebraska	2,475,925	5,754,118	2,818,132	0	550,729	11,598,904
Wyoming	950,184	2,051,530	9,406	6,438,555	189,404	9,639,079
Puerto Rico	3,793,042	4,365,451	225,787	0	7,595	8,391,875
Maine	1,061,155	6,384,298	606,830	0	192,923	8,245,206
Connecticut	2,749,981	4,332,263	1,034,755	0	60,411	8,177,410
Massachusetts	2,471,001	4,320,805	133,352	0	15,944	6,941,102
Alaska	444,665	5,433,523	1,024,160	420	6,015	6,908,783
Colorado	1,129,689	2,423,092	2,084,531	0	102,981	5,740,293
Delaware	723,339	2,719,145	1,395,328	0	42,459	4,880,271
Nevada	329,079	1,091,813	0	0	2,334,264	3,755,156
South Dakota	525,912	1,182,771	1,900,182	0	1,008	3,609,873
New Hampshire	482,095	1,858,808	105,158	0	188,345	2,634,406
North Dakota	398,199	1,605,732	317,633	0	758	2,322,322
Rhode Island	929,839	1,103,146	8,748	0	10,538	2,052,271
Virgin Islands	961,406	506,479	31,720	0	6,526	1,506,131
Hawaii	318,432	178,076	3,265	33,209	3,290	536,272
Vermont	105,501	202,948	125,014	0	1,601	435,064
American Samoa	10,500	0	0	0	0	10,500
District of Columbia	3,900	10	300	0	5,000	9,210
Guam	0	0	3,000	0	0	3,000
Total	352,334,631	1,122,734,696	194,217,702	223,827,392	312,491,753	2,205,606,174



1999 Toxics Release Inventory

Table 20. TRI On-site and Off-site Releases by State, 1995 (Ordered by Total Releases)

State	On-site Releases					Total On-site Releases Pounds	Off-site Releases	Total On- and Off-site Releases Pounds
	Fugitive or Nonpoint Air Emissions Pounds	Stack or Point Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	Releases to Land Pounds		Transfers Off-site to Disposal Pounds	
Texas	55,853,128	80,239,388	27,203,562	119,189,375	13,521,218	296,006,671	14,744,820	310,751,491
Louisiana	16,243,071	69,067,502	9,582,507	57,895,625	3,615,228	156,403,933	2,753,792	159,157,725
Ohio	20,115,946	54,744,996	5,894,362	14,469,718	27,651,613	122,876,635	32,034,674	154,911,309
Pennsylvania	18,410,596	30,053,347	22,910,036	0	1,488,345	72,862,324	59,095,566	131,957,890
Illinois	16,956,522	56,578,395	6,333,962	361	22,992,809	102,862,049	18,713,010	121,575,059
Tennessee	20,451,030	75,728,062	2,485,875	6,961,570	5,466,480	111,093,017	6,876,194	117,969,211
Alabama	14,722,108	76,444,130	4,686,749	16	7,392,062	103,245,065	12,687,402	115,932,467
Indiana	25,084,343	48,446,758	4,532,113	874,903	6,935,013	85,873,130	29,698,610	115,571,740
Michigan	12,011,770	45,421,950	918,613	9,556,827	4,046,810	71,955,970	31,730,758	103,686,728
North Carolina	13,223,476	55,100,961	7,543,242	0	8,015,404	83,883,083	3,985,274	87,868,357
Utah	2,724,846	66,550,177	1,119,763	0	8,613,491	79,008,277	901,256	79,909,533
Mississippi	12,536,601	32,659,551	11,597,519	6,392,825	4,297,378	67,483,874	1,852,743	69,336,617
Georgia	7,637,990	41,502,842	7,360,512	0	1,571,666	58,073,010	5,462,671	63,535,681
Missouri	10,863,175	28,594,559	4,314,851	0	14,552,083	58,324,668	3,779,844	62,104,512
Virginia	11,105,103	39,114,526	8,025,172	0	1,222,592	59,467,393	2,304,946	61,772,339
South Carolina	10,816,824	41,422,523	3,795,792	0	789,254	56,824,393	4,245,206	61,069,599
Florida	8,736,748	24,192,924	1,701,499	19,164,011	1,462,275	55,257,457	3,250,803	58,508,260
California	15,424,568	24,096,472	3,427,766	489,974	3,779,363	47,218,143	9,518,296	56,736,439
Kentucky	10,047,108	32,324,264	831,710	0	2,608,780	45,811,862	6,367,956	52,179,818
Wisconsin	5,135,262	23,951,789	4,493,343	0	939,455	34,519,849	13,318,982	47,838,831
New York	8,126,165	22,348,800	9,383,469	0	1,217,961	41,076,395	5,902,317	46,978,712
New Mexico	737,728	1,091,625	4,290	0	43,124,925	44,958,568	89,566	45,048,134
Montana	1,199,947	3,174,648	96,659	0	39,420,586	43,891,840	39,203	43,931,043
Arizona	2,810,203	3,417,177	4,859	14	33,677,397	39,909,650	548,518	40,458,168
Arkansas	8,144,643	23,004,165	1,690,008	2,637,068	1,444,004	36,919,888	3,052,663	39,972,551
Iowa	5,894,408	25,323,246	3,900,214	0	1,383,076	36,500,944	3,123,894	39,624,838
West Virginia	5,281,253	14,312,336	9,379,886	1,000	315,339	29,289,814	3,772,006	33,061,820
Oklahoma	5,064,363	18,753,507	2,309,381	1,397,375	688,327	28,212,953	3,591,312	31,804,265
Washington	4,389,472	20,354,881	2,836,139	0	137,356	27,717,848	1,908,766	29,626,614
Kansas	5,093,512	14,477,080	598,671	1,675,109	1,621,369	23,465,741	6,140,167	29,605,908
Oregon	4,221,194	14,614,675	2,966,585	0	1,647,519	23,449,973	5,172,554	28,622,527
Minnesota	3,822,855	18,110,947	1,350,211	1	525,641	23,809,655	1,680,940	25,490,595
New Jersey	5,337,546	7,793,345	4,838,499	5	730,990	18,700,385	3,528,807	22,229,192
Maryland	2,280,225	6,627,461	1,837,412	0	2,469,954	13,215,052	4,974,807	18,189,859
Nebraska	2,694,798	7,613,532	2,162,438	0	608,009	13,078,777	3,890,608	16,969,385
Idaho	868,209	3,783,854	858,251	0	10,518,255	16,028,569	41,757	16,070,326
Connecticut	2,970,182	5,119,473	2,221,703	0	95,110	10,406,468	1,861,355	12,267,823
Maine	1,189,227	7,665,723	602,267	0	307,595	9,764,812	1,744,441	11,509,253
Wyoming	970,716	1,871,667	8,984	8,197,366	223,357	11,272,090	7,919	11,280,009
Massachusetts	2,938,471	5,343,919	133,710	0	32,224	8,448,324	1,693,347	10,141,671
Puerto Rico	4,363,641	5,215,452	22,262	0	4,456	9,605,811	462,105	10,067,916
Delaware	969,870	3,321,291	1,394,989	0	28,682	5,714,832	2,832,228	8,547,060
Alaska	462,953	4,936,631	950,617	188	483,911	6,834,300	6,030	6,840,330
Colorado	1,269,824	2,914,514	937,356	0	72,314	5,194,008	159,110	5,353,118
South Dakota	696,304	1,283,950	2,001,487	0	100,098	4,081,839	103,409	4,185,248
Nevada	669,317	992,046	0	0	2,209,741	3,871,104	59,070	3,930,174
Rhode Island	1,241,691	1,573,794	48,491	0	40	2,864,016	545,020	3,409,036
North Dakota	471,377	2,061,596	374,864	0	1,275	2,909,112	23,813	2,932,925
New Hampshire	533,816	2,018,950	112,088	0	113,865	2,778,719	147,038	2,925,757
Virgin Islands	974,700	479,699	36,392	0	2,461	1,493,252	5	1,493,257
Vermont	215,730	331,262	91,764	0	3,838	642,594	113,606	756,200
Hawaii	265,289	199,273	3,510	24,306	545	492,923	163,769	656,692
District of Columbia	10,200	260	255	0	19,000	29,715	27,255	56,970
American Samoa	5,300	0	0	0	0	5,300	0	5,300
Guam	0	0	3,100	0	0	3,100	0	3,100
Total	394,285,344	1,196,365,895	191,919,759	248,927,637	284,190,539	2,315,689,174	320,730,208	2,636,419,382

1999 Toxics Release Inventory



Table 21. TRI On-site Releases by State, 1995 (Ordered by Total On-site Releases)

State	On-site Releases					Total On-site Pounds
	Fugitive or Nonpoint Air Pounds	Stack or Point Air Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	Releases to Land Pounds	
Texas	55,853,128	80,239,388	27,203,562	119,189,375	13,521,218	296,006,671
Louisiana	16,243,071	69,067,502	9,582,507	57,895,625	3,615,228	156,403,933
Ohio	20,115,946	54,744,996	5,894,362	14,469,718	27,651,613	122,876,635
Tennessee	20,451,030	75,728,062	2,485,875	6,961,570	5,466,480	111,093,017
Alabama	14,722,108	76,444,130	4,686,749	16	7,392,062	103,245,065
Illinois	16,956,522	56,578,395	6,333,962	361	22,992,809	102,862,049
Indiana	25,084,343	48,446,758	4,532,113	874,903	6,935,013	85,873,130
North Carolina	13,223,476	55,100,961	7,543,242	0	8,015,404	83,883,083
Utah	2,724,846	66,550,177	1,119,763	0	8,613,491	79,008,277
Pennsylvania	18,410,596	30,053,347	22,910,036	0	1,488,345	72,862,324
Michigan	12,011,770	45,421,950	918,613	9,556,827	4,046,810	71,955,970
Mississippi	12,536,601	32,659,551	11,597,519	6,392,825	4,297,378	67,483,874
Virginia	11,105,103	39,114,526	8,025,172	0	1,222,592	59,467,393
Missouri	10,863,175	28,594,559	4,314,851	0	14,552,083	58,324,668
Georgia	7,637,990	41,502,842	7,360,512	0	1,571,666	58,073,010
South Carolina	10,816,824	41,422,523	3,795,792	0	789,254	56,824,393
Florida	8,736,748	24,192,924	1,701,499	19,164,011	1,462,275	55,257,457
California	15,424,568	24,096,472	3,427,766	489,974	3,779,363	47,218,143
Kentucky	10,047,108	32,324,264	831,710	0	2,608,780	45,811,862
New Mexico	737,728	1,091,625	4,290	0	43,124,925	44,958,568
Montana	1,199,947	3,174,648	96,659	0	39,420,586	43,891,840
New York	8,126,165	22,348,800	9,383,469	0	1,217,961	41,076,395
Arizona	2,810,203	3,417,177	4,859	14	33,677,397	39,909,650
Arkansas	8,144,643	23,004,165	1,690,008	2,637,068	1,444,004	36,919,888
Iowa	5,894,408	25,323,246	3,900,214	0	1,383,076	36,500,944
Wisconsin	5,135,262	23,951,789	4,493,343	0	939,455	34,519,849
West Virginia	5,281,253	14,312,336	9,379,886	1,000	315,339	29,289,814
Oklahoma	5,064,363	18,753,507	2,309,381	1,397,375	688,327	28,212,953
Washington	4,389,472	20,354,881	2,836,139	0	137,356	27,717,848
Minnesota	3,822,855	18,110,947	1,350,211	1	525,641	23,809,655
Kansas	5,093,512	14,477,080	598,671	1,675,109	1,621,369	23,465,741
Oregon	4,221,194	14,614,675	2,966,585	0	1,647,519	23,449,973
New Jersey	5,337,546	7,793,345	4,838,499	5	730,990	18,700,385
Idaho	868,209	3,783,854	858,251	0	10,518,255	16,028,569
Maryland	2,280,225	6,627,461	1,837,412	0	2,469,954	13,215,052
Nebraska	2,694,798	7,613,532	2,162,438	0	608,009	13,078,777
Wyoming	970,716	1,871,667	8,984	8,197,366	223,357	11,272,090
Connecticut	2,970,182	5,119,473	2,221,703	0	95,110	10,406,468
Maine	1,189,227	7,665,723	602,267	0	307,595	9,764,812
Puerto Rico	4,363,641	5,215,452	22,262	0	4,456	9,605,811
Massachusetts	2,938,471	5,343,919	133,710	0	32,224	8,448,324
Alaska	462,953	4,936,631	950,617	188	483,911	6,834,300
Delaware	969,870	3,321,291	1,394,989	0	28,682	5,714,832
Colorado	1,269,824	2,914,514	937,356	0	72,314	5,194,008
South Dakota	696,304	1,283,950	2,001,487	0	100,098	4,081,839
Nevada	669,317	992,046	0	0	2,209,741	3,871,104
North Dakota	471,377	2,061,596	374,864	0	1,275	2,909,112
Rhode Island	1,241,691	1,573,794	48,491	0	40	2,864,016
New Hampshire	533,816	2,018,950	112,088	0	113,865	2,778,719
Virgin Islands	974,700	479,699	36,392	0	2,461	1,493,252
Vermont	215,730	331,262	91,764	0	3,838	642,594
Hawaii	265,289	199,273	3,510	24,306	545	492,923
District of Columbia	10,200	260	255	0	19,000	29,715
American Samoa	5,300	0	0	0	0	5,300
Guam	0	0	3,100	0	0	3,100
Total	394,285,344	1,196,365,895	191,919,759	248,927,637	284,190,539	2,315,689,174



1999 Toxics Release Inventory

Table 22. TRI On-site and Off-site Releases by State, 1995-1999 (Ordered by Total Releases 1999)

State	Total On-site and Off-site Releases				
	1995 Pounds	1996 Pounds	1997 Pounds	1998* Pounds	1999* Pounds
Texas	310,751,491	270,598,737	265,717,437	270,875,835	260,518,331
Ohio	154,911,309	159,129,142	161,077,553	158,080,966	151,549,085
Pennsylvania	131,957,890	121,851,180	147,129,904	148,705,168	145,225,169
Louisiana	159,157,725	160,925,678	150,336,894	147,798,128	135,114,882
Indiana	115,571,740	120,047,033	129,654,917	122,992,083	134,591,753
Illinois	121,575,059	116,554,807	126,937,445	116,996,316	108,284,216
Tennessee	117,969,211	117,630,526	107,959,333	95,933,525	91,588,366
Utah	79,909,533	88,103,426	103,926,671	106,332,023	88,822,084
Alabama	115,932,467	105,176,809	95,955,586	81,717,859	78,761,665
Florida	58,508,260	69,793,251	71,073,737	72,203,527	77,375,527
Michigan	103,686,728	95,365,505	87,211,036	83,688,983	72,847,248
North Carolina	87,868,357	86,624,760	78,321,301	70,166,032	67,633,911
South Carolina	61,069,599	59,899,323	62,422,136	60,763,074	66,729,933
Georgia	63,535,681	64,361,579	75,294,738	67,373,757	66,498,555
Mississippi	69,336,617	68,107,571	70,654,440	63,303,075	62,480,264
Virginia	61,772,339	60,425,126	59,999,261	58,556,730	57,814,647
Missouri	62,104,512	63,346,363	64,061,934	59,537,825	56,852,850
Arkansas	39,972,551	43,915,316	61,213,544	51,977,568	51,846,843
Arizona	40,458,168	47,560,280	31,655,189	54,375,116	50,871,827
Montana	43,931,043	48,520,477	43,621,812	51,222,448	49,913,550
Kentucky	52,179,818	52,163,420	49,001,062	43,154,168	48,242,312
California	56,736,439	54,896,542	45,092,909	43,723,233	44,997,711
Wisconsin	47,838,831	46,537,267	46,740,022	46,088,962	41,896,992
Iowa	39,624,838	35,837,325	34,667,950	40,632,117	40,983,234
New York	46,978,712	41,888,745	43,169,510	39,772,178	36,524,163
Kansas	29,605,908	26,974,188	26,985,065	26,537,764	35,812,594
Oregon	28,622,527	29,671,341	30,079,337	34,289,507	30,982,214
Idaho	16,070,326	18,230,681	17,735,776	22,230,052	26,633,633
Washington	29,626,614	28,774,020	31,742,690	32,133,720	25,234,284
Nebraska	16,969,385	15,472,953	19,916,630	24,268,297	23,280,757
Oklahoma	31,804,265	27,799,324	27,042,962	26,123,368	23,158,260
West Virginia	33,061,820	29,788,041	25,066,941	26,283,313	21,913,735
New Jersey	22,229,192	22,119,212	22,119,212	20,780,290	21,872,605
New Mexico	45,048,134	44,418,937	41,925,781	24,950,377	20,463,178
Minnesota	25,490,595	22,871,937	21,184,868	20,517,729	20,313,715
Maryland	18,189,859	13,161,997	14,016,902	13,298,180	13,646,373
Wyoming	11,280,009	9,670,356	9,283,038	9,791,116	10,440,143
Maine	11,509,253	9,646,688	9,928,646	9,829,245	7,729,738
Delaware	8,547,060	7,844,732	8,574,356	9,391,863	7,712,706
Colorado	5,353,118	6,172,840	6,008,096	6,488,073	7,557,002
Connecticut	12,267,823	9,539,800	10,490,407	8,029,467	6,410,818
Puerto Rico	10,067,916	9,051,789	8,007,668	7,225,198	6,330,480
Massachusetts	10,141,671	8,181,342	7,246,867	7,319,912	5,630,725
Nevada	3,930,174	3,814,669	4,475,411	4,222,634	4,368,524
South Dakota	4,185,248	3,747,531	4,243,796	3,340,352	3,564,341
New Hampshire	2,925,757	2,979,906	2,874,895	2,947,018	3,123,368
North Dakota	2,932,925	2,325,812	2,422,425	2,468,831	2,598,203
Alaska	6,840,330	6,908,783	4,617,944	1,948,222	1,671,982
Rhode Island	3,409,036	2,402,397	2,220,978	1,782,638	1,313,328
Virgin Islands	1,493,257	1,506,143	1,428,697	1,084,557	699,499
Vermont	756,200	708,722	772,373	502,088	647,890
Hawaii	656,692	540,267	452,405	435,831	401,133
District of Columbia	56,970	9,460	6,615	11,511	18,096
American Samoa	5,300	10,500	7,000	8,750	0
Guam	3,100	3,000	0	0	0
Total	2,636,419,382	2,561,778,633	2,573,774,102	2,504,138,319	2,421,494,442

Note: Due to an EPA data entry error, one chemical reporting revision for 1999 by a facility, the US Army Letterkenny Depot in Chambersburg, PA, was not included in this table. At the time of publication, the facility had notified EPA that it anticipated revising total releases for manganese compounds from 5,584,900 pounds to below 500 pounds. Revisions by this facility of two other compounds are included in the State Fact Sheet tables but not included in the tables in the 1999 TRI Public Data Release report.

* Includes amounts for original industries only for 1998 and 1999. One facility, Phelps Dodge Miami Inc. in Claypool, AZ, that reported under SIC code 33 and SIC code 10 in 1999 and previous years has been included in the new industry category SIC code 10 for the purpose of this analysis.

1999 Toxics Release Inventory



Table 23. TRI Total On-site and Off-site Releases by State, 1988, 1995-1999 (Ordered by Total Releases 1999)

State	Total On-site and Off-site Releases					
	1988 Pounds	1995 Pounds	1996 Pounds	1997 Pounds	1998* Pounds	1999* Pounds
Texas	322,069,999	209,388,862	186,162,474	179,344,898	172,559,760	168,173,379
Ohio	205,759,528	124,038,426	128,616,129	131,968,630	128,368,645	118,309,224
Indiana	184,479,357	94,180,274	101,052,809	111,797,136	107,118,997	114,616,740
Pennsylvania	136,215,446	97,709,263	86,963,102	96,003,785	90,274,266	87,250,916
Utah	123,806,952	69,454,490	77,710,508	96,495,301	99,567,605	82,735,070
Illinois	140,677,697	85,844,173	82,234,246	91,772,844	83,678,277	81,024,525
Louisiana	129,555,412	104,537,861	105,826,922	93,845,434	92,171,562	77,380,480
Tennessee	126,831,255	99,740,745	99,959,616	89,891,453	78,147,265	76,619,953
Michigan	141,131,755	90,390,731	81,897,253	75,121,228	73,612,306	63,825,249
Alabama	110,955,598	100,800,117	89,982,340	80,081,646	66,982,536	63,060,490
South Carolina	66,047,971	48,879,428	48,596,482	52,115,543	49,829,064	57,380,504
Arizona	66,277,785	38,292,760	45,851,675	30,598,219	53,526,592	50,223,750
Montana	35,625,165	42,644,621	47,219,566	42,565,595	50,413,720	48,799,520
Missouri	91,120,808	50,606,327	50,170,658	53,122,156	48,744,442	47,906,451
North Carolina	124,256,415	63,595,972	63,397,131	55,320,551	45,935,908	45,931,584
Georgia	85,795,053	42,841,825	42,990,217	53,201,392	46,850,094	44,664,556
Arkansas	40,997,458	26,470,849	31,506,869	50,167,882	40,280,948	40,434,883
Mississippi	59,653,411	46,518,682	47,124,418	46,422,072	40,792,253	39,847,592
Virginia	112,416,988	40,853,174	39,941,942	41,437,891	39,919,862	39,108,555
Kentucky	65,741,386	34,228,919	33,338,405	35,050,422	30,713,587	35,921,600
Wisconsin	62,263,716	34,789,499	33,116,659	33,946,512	33,862,831	31,855,405
Florida	33,072,117	28,566,757	34,224,127	31,714,335	30,907,743	31,742,283
California	110,272,489	37,514,102	35,548,235	27,904,570	27,326,968	28,054,984
Iowa	42,977,724	22,646,552	19,443,047	20,196,139	25,143,625	25,712,115
Oregon	21,644,797	22,238,345	23,544,751	23,775,377	28,118,111	25,505,749
New York	100,906,413	31,680,589	28,181,608	29,079,130	22,713,861	22,938,753
New Mexico	30,426,504	43,451,640	42,795,939	40,106,306	23,800,325	20,033,587
Kansas	30,432,853	17,791,085	17,462,706	18,883,404	17,352,930	19,836,589
Washington	30,598,855	22,675,236	22,086,164	24,644,573	24,346,232	17,033,033
Idaho	7,322,393	12,031,656	13,788,949	12,910,767	12,781,627	14,807,741
Minnesota	55,927,582	18,492,619	17,178,717	15,632,694	15,019,443	14,453,953
Oklahoma	30,501,419	16,174,347	15,313,913	15,364,567	14,085,971	13,494,957
New Jersey	48,351,318	14,777,650	12,272,554	13,505,898	11,843,271	13,061,088
West Virginia	39,661,385	19,930,084	17,618,660	15,251,906	16,298,577	12,032,238
Maryland	20,175,960	11,926,035	9,347,138	9,753,777	9,753,777	9,081,136
Nebraska	17,118,171	11,313,495	8,825,848	13,883,691	10,221,951	8,929,761
Puerto Rico	12,868,595	8,874,281	7,931,276	7,168,518	6,576,739	5,740,365
Delaware	8,683,520	5,668,981	4,879,172	5,856,396	5,862,958	5,304,849
Massachusetts	32,246,258	8,797,448	7,034,801	6,323,266	6,348,911	5,016,025
Maine	15,547,808	6,957,553	5,610,623	6,304,312	6,599,888	4,831,567
Connecticut	38,469,853	9,273,469	7,340,486	8,403,826	6,052,386	4,356,054
Nevada	2,357,318	3,387,483	3,331,244	4,048,209	3,689,730	4,018,689
Colorado	15,731,311	3,287,329	2,974,388	2,757,737	3,256,116	3,119,375
New Hampshire	13,975,968	2,251,591	2,260,437	2,370,165	2,322,755	2,445,978
Wyoming	1,978,542	1,250,046	1,239,057	1,256,191	1,288,457	1,594,138
Rhode Island	7,818,730	3,181,135	2,252,682	2,059,795	1,638,389	1,171,936
South Dakota	2,370,743	1,903,967	1,416,920	1,348,332	1,376,713	1,124,518
North Dakota	1,162,780	1,206,639	773,687	794,419	1,064,191	985,186
Virgin Islands	2,592,912	1,235,660	1,232,275	1,184,171	916,521	543,292
Vermont	1,661,971	562,610	353,789	346,203	208,259	301,222
Hawaii	847,805	562,284	448,355	343,620	306,151	267,212
Alaska	3,714,069	2,158,743	1,683,698	779,835	314,358	208,328
District of Columbia	750	56,970	9,460	6,615	11,511	18,096
American Samoa	0	0	0	0	0	0
Guam	0	3,100	3,000	0	0	0
Total	3,213,098,068	1,937,636,479	1,892,067,127	1,904,293,966	1,813,198,965	1,732,523,223

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