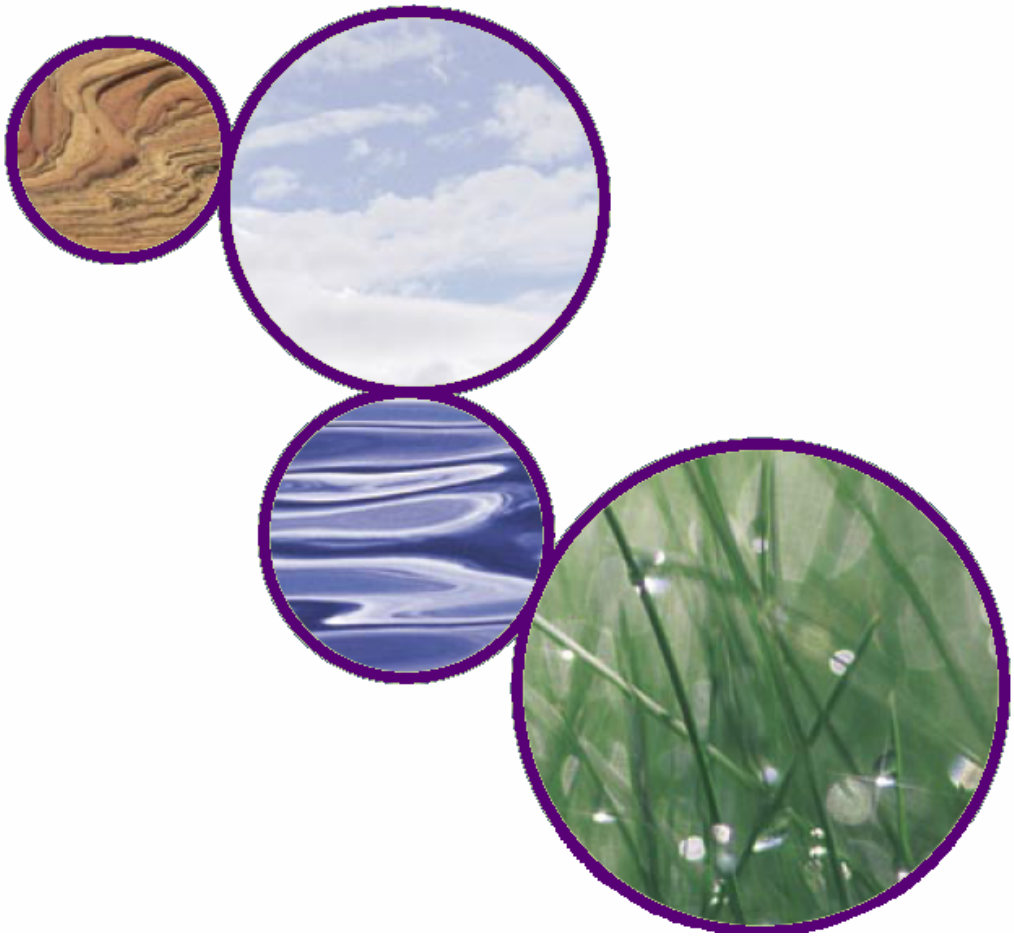
2003 TRI Public Data Release eReport



May 2005

2003 TRI Public Data Release eReport
Table of Contents

U.S. EPA Toxics Release Inventory – Reporting Year 2003 Public Data Release
Summary of Key Findings

U.S. EPA TRI Program

The United States (U.S.) Environmental Protection Agency (EPA) Toxics Release Inventory (TRI) program collects information on the disposal or other releases and other waste management activities for over 650 chemicals from industrial sources in all 50 states and the U.S. territories. The information has been collected annually since 1987. For 2003, the latest year for which data are available, disposal or other releases of TRI chemicals totaled almost 4.44 billion pounds from over 23,000 U.S. facilities submitting over 91,000 chemical forms.

Section 313 of the Emergency Planning and Community Right to Know Act (EPCRA) of 1986 was enacted to facilitate emergency planning, to minimize the effects of potential toxic chemical accidents, and to provide the public with information on releases of toxic chemicals in their communities. The Pollution Prevention Act (PPA) of 1990 mandates collection of data on toxic chemicals treated on-site, recycled, and combusted for energy recovery. Together, these laws require facilities in certain industries, which manufacture, process, or use toxic chemicals above specified amounts, to report annually on disposal or other releases and other waste management activities related to these chemicals.

The 2003 TRI data are now available online in a searchable, sortable format at http://www.epa.gov/triexplorer. We invite you to visit our web site and explore the data to learn more about toxic chemical releases and waste management activities across the U.S., by state, county or even zip code – and more!

The following information reflects the TRI data as of May 11, 2005.

Overview of the TRI 2003 Public Data Release

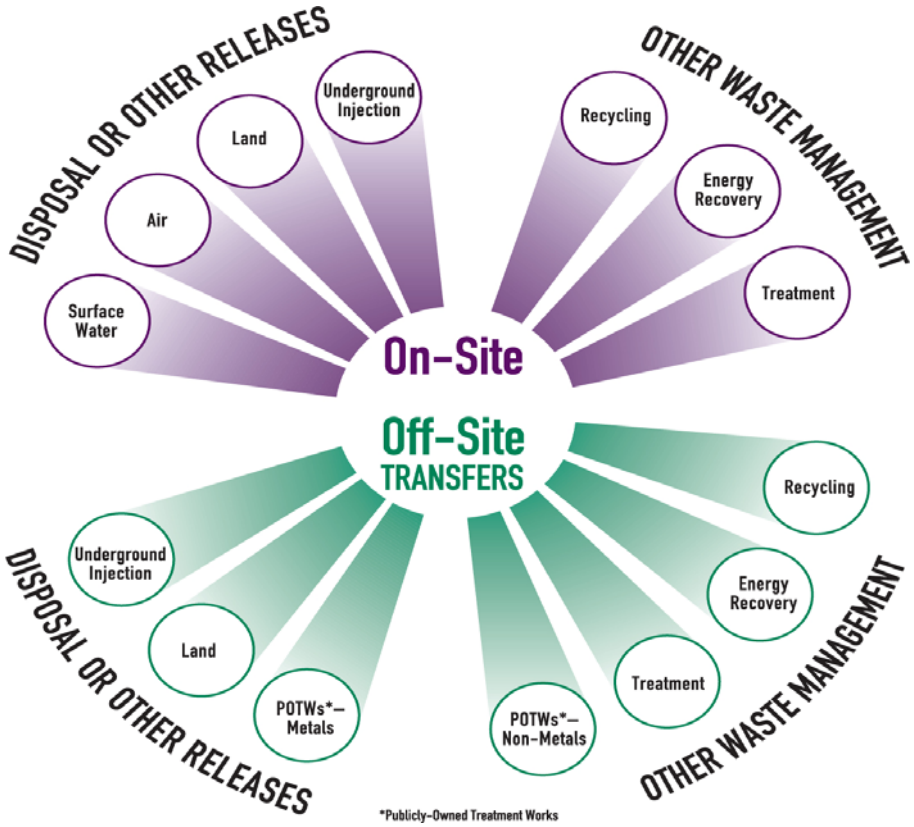
The time period covered for this year's data release is January 1, 2003, to December 31, 2003. These 2003 data were reported to EPA by July 1, 2004, and were released to the public in March 2005. Data for previous years back to 1988 are also available.

A TRI release to the environment includes disposal or other releases. What does this mean?

Based on the definition of release in Section 329 of the Emergency Planning and Community Right-to-Know Act (EPCRA), facilities that place TRI chemicals in on-site underground injection wells, landfills, surface impoundments, or send them off-site to other facilities for placement in underground injection wells, landfills, and/or surface impoundments are considered to have disposed or otherwise released these chemicals. Metals sent to Publicly Owned Treatment Works (POTWs) or other waste treatment facilities are also included.

Other ways facilities release TRI chemicals is by discharging them to an environmental medium on-site such as air emissions and discharges to receiving streams or water bodies.

The diagram below shows the types of data collected under the TRI program.



The following categories are used for presenting this information:

On-site disposal or other releases: On-site disposal or other releases include emissions to the air, discharges to bodies of water, disposal at the facility to land, and disposal in underground injection wells. Disposal or other releases are reported to TRI by media type. (On-site disposal or other releases are reported in Section 5 of Form R.) Some types of disposal are controlled to limit potential for human exposures and environmental contamination (such as Subtitle C landfill disposal). The TRI data can be broken down in some detail based on how the toxic chemical is managed (such as landfills or underground injection wells).

Off-site disposal or other releases (transfers off-site to disposal or other releases): An off-site disposal or other release is a discharge of a chemical to the environment that occurs as a result of a facility's transferring a waste containing a TRI chemical off-site for disposal or other management (reported in Section 6 of Form R). Certain other types of transfers are also categorized as off-site disposal or other release because, except for location, the outcome of transferring the chemical off-site is the same as disposing of it or releasing it on-site. For each transfer, the amount of the chemical in the waste, type of management activity (chosen from a list of codes referred to as "M" codes) undertaken by the receiving facility, and the address of the receiving site is reported.

Total on- and off-site disposal or other releases: sum of on-site disposal or other releases and off-site disposal or other releases.

Other waste management of TRI chemicals: Information about facilities' management of TRI chemicals in production-related waste is reported in Section 8 of Form R. Data collected include amounts of the chemicals recycled, burned for energy recovery, and treated both on- and off-site. The totals from this section are the most comprehensive description of a facility's TRI chemical management. Within this document we also present total production-related waste managed, which includes amounts of the chemicals recycled, burned for energy recovery, and treated as well as the quantity of chemicals in waste disposed of or otherwise releases on- and off-site but does not include amounts of TRI chemicals in waste due to non-production activities such as clean-up of spills and leaks or remedial actions.

What are the time periods used for presenting TRI data?

To ensure comparable data are used when representing data trends, several different time periods for data are presented. The data included in each time period differ because the reporting requirements have changed over time. Chemicals that have been delisted are excluded. Time periods used for the Public Data Release include:

2001-2003: includes all chemicals and all industries reporting for 2001, 2002 and 2003

2000-2003: excludes lead and lead compounds because reporting thresholds were lowered beginning with the 2001 reporting year.

1998-2003: excludes all Persistent, Bioaccumulative, Toxic (PBT) chemicals and vanadium and vanadium compounds. Some PBT chemicals were added and reporting thresholds were lowered for others beginning with the 2000 reporting year. The reporting definition for vanadium was changed and vanadium compounds were added to the list for 2000, however vanadium and its compounds are not classified as a PBT chemical.

1988-2003: excludes aluminum oxide, ammonia, hydrochloric acid, sulfuric acid, PBT chemicals, vanadium and vanadium compounds. These chemicals have had changes to reporting requirements or have been added to the TRI chemical list since 1988. Also, excludes chemicals added to the list in 1990, 1994 and 1995. Also, excludes reporting from industries added to the reporting requirements beginning with the 1998 reporting year (these industries are metal mining, coal mining, electrical utilities, chemical wholesale distributors, petroleum bulk terminals/bulk storage, hazardous waste treatment facilities and solvent recovery facilities).

What are other considerations in looking at the 2003 Public Data Release?
Beginning with the 2003 Public Data Release (PDR), EPA has modified the way in which it uses the Standard Industrial Classification (SIC) code as reported by the facility for analysis purposes.

Some facilities that were reporting to the TRI prior to the 1998 facility expansion rule began to report one of the newly added SIC codes after this rule was promulgated. However, in an effort to maintain trend analysis, EPA kept those facilities in the SIC code they had reported in prior to 1998. In EPA's continuing effort to modernize its data access systems and to improve the transparency and the reproducibility of our analysis, EPA will no longer keep those facilities in their previously reported SIC codes. Instead, the primary SIC code as reported by the facility will now be used for all analysis purposes. This change results in a more accurate portrayal of the data as it is reported to TRI. EPA has applied this new logic to all data within the TRI database (i.e., applied to all trends starting with 1988 data). Therefore, data users should note that data presented in previous year's PDR documents may not be easily comparable with the data in TRI Explorer since the previous PDRs used the former SIC code methodology.

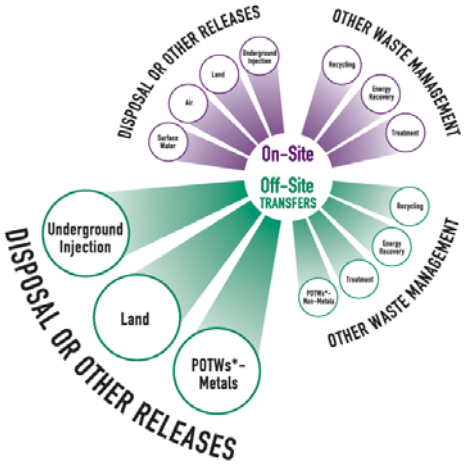
The use of primary SIC results in 24 of 26 covered TRI sectors experiencing less than a 5% change in the total on-site disposal or other releases. The two sectors most affected are metal mining (SIC 10) and primary metals (SIC 33). A significant shift, almost 50%, of the pounds from primary metals are re-classified as disposal or other releases from metal mining under the new method of presenting the data. This is, however, a more accurate representation of what type of activities actually produce the releases.

Overview of the TRI 2003 Data

What was the total reported for disposal or other releases for 2003?
Almost 4.44 billion pounds were disposed of or otherwise released to the environment in 2003 by facilities that are required to report to EPA under EPCRA section 313. Most of the chemicals are managed on-site.

- 88% (3.92 billion pounds) was disposed of or otherwise released **on-site**, including
  - 1.59 billion pounds (40%) of air emissions
  - 817 million pounds (18%) in surface impoundments other than RCRA Subtitle C surface impoundments
  - 639 million pounds (14%) in Class I (hazardous waste) underground injection wells, RCRA Subtitle C (hazardous waste) landfills and other landfills
  - 612 million pounds (14%) of other land disposal (such as waste piles, spills or leaks)
  - 223 million pounds (5%) in surface water discharges

- 12% (518 million pounds) was sent **off-site** for disposal or other releases, including
  - 331 million pounds (7%) to underground injection wells, RCRA Subtitle C landfills and other landfills
  - 83 million pounds (2%) of metals sent for solidification and/or stabilization



As noted above, 14% of on-site disposal or other releases, and 7% of off-site disposal or other releases were disposed of in Class I wells, RCRA Subtitle C and other landfills. These facilities may limit contamination and human exposure by disposing of or otherwise releasing waste in certain ways. For example, disposal of harmful materials in Class I Underground Injection wells located in isolated formations beneath the lowermost underground source of drinking water limits potential for contamination. Similarly, disposal to landfills that are designed with liners, covers, leak detection systems, and groundwater monitoring systems also limits the potential for human exposure and contamination.

What were the other waste management quantities and total production-related waste for 2003?

TRI chemicals managed in production-related waste totaled 25.8 billion pounds in 2003.

- 36 percent (9.31 billion pounds) was recycled on- and off-site.
- 33 percent (8.53 billion pounds) was treated on- and off-site.
- 17 percent (4.54 billion pounds) was disposed of or otherwise released on- and off-site. including
  - 626 million pounds (2%) on-site disposal to Class I underground injection wells, RCRA Subtitle C landfills and other landfills

- ► 3.25 billion pounds (13%) other on-site disposal or other releases
- ► 406 million pounds (2%) off-site disposal to Class I underground injection wells, RCRA Subtitle C landfills and other landfills
- ► 255 million pounds (1%) other off-site disposal or other releases

- 13 percent (3.44 billion pounds) was combusted for energy recovery on- and off-site.

The Pollution Prevention Act of 1990 (PPA) requires facilities to report information about the quantities of TRI chemicals they manage in waste, both on-and off-site, including amounts reported as recycled, burned for energy recovery, treated or disposed of or otherwise released on- or off-site.

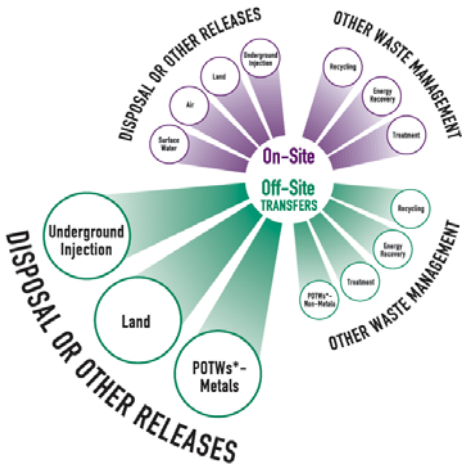
How do the 2003 TRI data compare to the 2002 TRI data?

In this section, we will present both net changes from 2002 to 2003, and underlying shifts in management methods. Sometimes a specific method of handling a chemical may increase, even though the overall trend is a decrease.

Overall, when compared to quantities reported for the previous year (2002), total disposal or other releases of TRI chemicals **decreased** by 306 million pounds or 6%.

- On-site disposal or other releases **decreased** by 310 million pounds (7%).
  - ► Land disposal other than landfills (such as waste piles, spills and leaks) **decreased** by 344 million pounds (36%),
  - ► Land treatment **decreased** by 6.2 million pounds (28%)
  - ► Surface water discharges **decreased** by 10 million pounds (4%),
  - ► Air emissions **decreased** by 48 million pounds (3%),
  - ► Class I underground injection wells **decreased** by 2.4 million pounds (1%),
  - ► However, surface impoundments **increased** by 51 million pounds (7%),
  - ► RCRA Subtitle C landfills and other landfills **increased** by 49 million pounds (13%), and
  - ► Class II-V underground injection wells **increased** by 1.4 million pounds (7%).

- Off-site disposal or other releases **increased** by 3.5 million pounds (less than 1%).
  - ► RCRA Subtitle C landfills **increased** by 13 million pounds (36%),
  - ► Other landfills **increased** by 43 million pounds (19%).



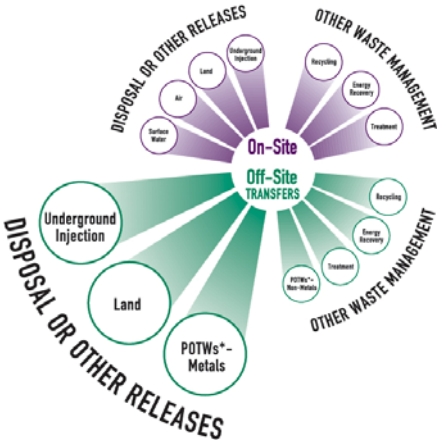
What are some of the reasons for the decrease from 2002 to 2003?

The metal mining sector had a decrease of 18% (274 million pounds) from 2002. This sector, which also had a large decrease from 2001 to 2002, may still be adjusting their reporting to conform to a court case, Barrick Goldstrike Mines, Inc. v. Whitman, (Civ. Action No. 99-958 (T.P.J.)). The decrease could also be due to decreases in mining activity or other factors.

Total disposal or other releases of TRI chemicals, without the metal mining sector (which had a decrease of 274 million pounds), **decreased** by 32 million pounds or 1%.

- On-site disposal or other releases **decreased** by 35 million pounds (1%).
  - Air emissions **decreased** by 48 million pounds (3%),
  - Other land disposal (such as waste piles, spills and leaks) **decreased** by 31 million pounds (38%), and
  - Surface water discharges **decreased** by 10 million pounds (4%).
  - However, RCRA Subtitle C landfills **increased** by 48 million pounds (39%) and
  - Other landfills **increased** by 21 million pounds (9%)

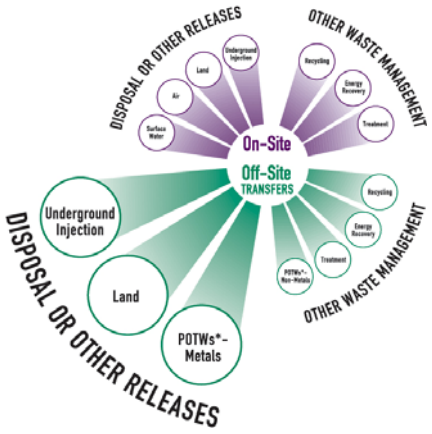
- Off-site disposal or other releases **increased** by 3.6 million pounds (7%).
  - RCRA Subtitle C landfills **increased** by 13 million pounds (36%) and
  - Other landfills **increased** by 43 million pounds (19%)



The preferred measure of environmental progress is reduction in TRI releases. To the extent that releases are still occurring, another measure of progress may be seen in changes in management practices, in a way that limits potential for human exposure and environmental contamination. We have seen a shift from 2002 to 2003 in how TRI chemical releases are managed.

- On-site disposal or other releases to Class I Underground Injection Wells, RCRA Subtitle C Landfills, and Other Landfills increased by almost 8% from 2002 to 2003. This occurred while total on-site disposal or other releases decreased by over 7%.

- Off-site disposal or other releases to Class I Underground Injection Wells, RCRA Subtitle C Landfills, and Other Landfills increased by over 20%, while the total for off-site disposal or other releases increased by less than 1%.



Overall, what this means is that from 2002 to 2003, total on- and off-site disposal or other releases decreased by over 300 million pounds (from over 4.7 billion to roughly 4.4 billion pounds). Of these total disposal or other releases, an additional 100 million pounds is being managed in wells and landfills.

Total production-related waste managed **decreased** by 2 percent (by 403 million pounds) from 2002 to 2003, although some activities did show increases.

- Recycling on-site **decreased** by 311 million pounds (4%).
- Energy recovery on-site **decreased** by 138 million pounds (5%).
- Treated on-site **increased** by 629 million pounds (9%).
- Quantity disposed of or otherwise released **decreased** by 315 million pounds (6%).

Recycling off-site **decreased** by 131 million pounds (7%)

- Energy recovery off-site **decreased** by 100 million pounds (12%)
- Treated off-site **decreased** by 37 million pounds (7%)

Which industry sectors reported the largest decreases in disposal or other releases, 2002-2003?

- The metal mining sector reported the largest total disposal or other releases in 2003 (1.52 billion pounds) and the largest **decrease** in disposal or other releases from 2002: 274 million pounds (18%).
- Chemical manufacturers reported 564 million pounds of total disposal or other releases in 2003 and a **decrease** of 20 million pounds (3%).
- The primary metals sector reported 477 million pounds in 2003 and a **decrease** of 17 million pounds (3%).

Which industry sectors reported the largest increases in disposal or other releases, 2002-2003?

- Hazardous waste/solvent recovery facilities reported 227 million pounds in 2003, an **increase** of 43 million pounds (20%), including an increase of 36 million pounds in on-site disposal in RCRA Subtitle C landfills.

Which types of facilities had the largest disposal or other releases in 2003?

As part of the annual PDR, EPA has historically provided a list of facilities that have the largest releases of TRI chemicals to the environment. It's important to note that these facilities do not necessarily pose the greatest risk to the environment. As explained in detail in the EPA report, ***Factors to Consider When Using TRI Data*** (available on the TRI Web site), total quantities of TRI chemicals released or otherwise disposed of is one important factor among several that determines the potential risk that may be posed.

This year, EPA is presenting the "Top 50" facilities with largest disposal or other releases in charts that are available on the TRI Web site. It's important to note that there is a huge variation in the amounts of TRI chemicals released per facility. In 2003, the range of TRI disposal or other releases is from 0 to 487 million pounds. The average disposal or other releases of TRI chemicals per facility is about 186,000 pounds. The reason some facilities have amounts far in excess of the average are several:

- Certain industry sectors, such as mining, smelting, and the electric power industries, process large volumes of material and not surprisingly the totals for TRI chemicals are also larger than average.
- Even within a given sector, certain facilities are simply larger (in terms of economic parameters such as sales, employment, etc.) and so they process relatively large amounts of input material to produce large amounts of output material (product). And,
- Facilities differ in their relative efficiency in processing material, i.e., for a given unit of output, facilities differ in the amount of release or waste that is produced.

As one might expect, the facilities with the largest amounts are mining facilities.
In fact, the top 4 facilities, which each have over 100 million pounds of total on- and off-site disposal or other releases, are all mining operations. Other facilities in the "Top 50" include a variety of industries, with total disposal or other releases ranging from over 40 million to 11 million pounds.

This year, for the first time, EPA is also presenting facility rankings taking into account the management methods used for the TRI chemicals. In addition to presenting the Top 50 facilities with largest total on- and off-site disposal or other releases, we are also presenting the Top 50 facilities with total disposal or other releases, subtracting out the totals that are managed in Class I underground injection wells, Subtitle C landfills, and other landfills. As discussed above, this second group of rankings is perhaps a better, although still imperfect, indication of the amount of TRI chemicals that may be available to the environment. In this second group of rankings, a limited number of facilities that manage TRI chemicals mostly or totally in Class I wells or landfills drop down in the rankings, or drop out of the Top 50 altogether. (The top 4 facilities mentioned above remain the top 4 facilities.)

Finally, for similar reasons, EPA has provided two sets of rankings (top 10) of US counties with the largest disposal or other releases. One set of rankings shows total disposal or other releases, and the second shows total disposal or other releases, adjusted to subtract out quantities in Class I wells and landfills. As with facilities, the very top (in this case 5) counties do not change, but there is some shifting in the second 5 to reflect that some counties are home to Class I wells or landfills, and when those totals are not counted, they are no longer among the counties with the most TRI chemical disposal or other releases.

Federal Facilities

All federal facilities, whether operated by federal agencies or contractors (e.g. military bases), are required to report to EPA's TRI Program.

- For 2003, 295 federal facilities reported 78 million pounds of total on- and off-site disposal or other releases.
- Disposal or other releases by federal facilities **decreased** by 7.4 million pounds (9%) from 2002 to 2003.
- Total production-related waste managed at federal facilities **decreased** by 5.5 million pounds or 3% from 2002 to 2003.

What are some of the reasons for the decrease from 2002 to 2003?

The Tennessee Valley Authority utilities reported a decrease in total disposal or other releases of 6.9 million pounds (8%) from 2002 to 2003, including a decrease of 6.2 million pounds in air emissions, primarily hydrochloric acid (3.3 million pounds) and sulfuric acid (2.9 million pounds).

2003 Chemical Snapshots

PERSISTENT BIOACCUMULATIVE TOXIC (PBT) CHEMICALS

2003 is the fourth year that TRI includes data, at reduced reporting thresholds, on PBT chemicals such as dioxins, mercury, and polychlorinated biphenyls (PCBs). It is the third year of TRI reporting data for lead and lead compounds at reduced thresholds.

Why is there particular concern for PBT chemicals?

PBT chemicals are of particular concern not only because they are toxic, but also because they remain in the environment for long periods of time and are not readily destroyed (they persist) and build up or accumulate in body tissues (they bioaccumulate).

What were the total PBT disposal or other releases for 2003?

Total disposal or other releases of PBT chemicals reported were 465 million pounds in 2003.

- 94% (435 million pounds) were disposed of or otherwise released **on-site**, including
  - 46% (213 million pounds) in other land disposal (such as waste piles, spills or leaks).
  - 29% (134 million pounds) in on-site surface impoundments other than RCRA Subtitle C surface impoundments.
- 6% (30 million pounds) were disposed of or otherwise released **off-site**.
- 18% (77 million pounds) of **on-site** disposal and other releases were to Class I wells, RCRA Subtitle C landfills and other landfills.
- 59% (18 million pounds) of **off-site** disposal and other releases were to Class I wells, RCRA Subtitle C landfills and other landfills.

As noted earlier, these facilities may limit contamination and human exposure by disposing of or otherwise releasing waste in certain ways. PBT chemicals are managed in these facilities to a greater extent than TRI chemicals in general.

Type of TRI Chemical	Percentage of Chemical Totals Disposed of or Otherwise Released in Class I Underground Injection Wells, RCRA Subtitle C Landfills, and Other Landfills	
	On-site	Off-site
All TRI Chemicals	14%	7%
TRI PBT Chemicals	18%	59%

What were the top PBT chemicals disposed of or otherwise released in 2003?

- 93% (432 million pounds) of total disposal or other releases of PBT chemicals in 2003 was accounted for by lead and lead compounds.
- 5% (22 million pounds) was accounted for by PCBs in 2003.
- 2% (7.4 million pounds) of total disposal or other releases of PBT chemicals in 2003 was accounted for by mercury and mercury compounds.
- 269,037 **grams** (approximately 593 pounds) of total disposal or other releases of PBT chemicals in 2003 was accounted for by dioxin and dioxin-like compounds.

How do the 2003 PBT data compare to the 2002 PBT data?

Overall, when compared to quantities reported for the previous year (2002), total disposal or other releases of persistent bioaccumulative and toxic (PBT) chemicals **increased** by 50 million pounds or 11% from 2002 to 2003.

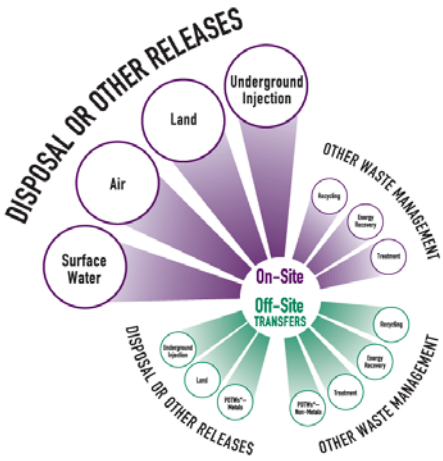
- Lead and lead compounds increased by 27 million pounds (7%)
- Polychlorinated biphenyls increased by 20 million pounds from 2 million pounds in 2002, including one hazardous waste facility that reported an increase of 16 million pounds in disposal in on-site RCRA Subtitle C landfills.

LEAD AND LEAD COMPOUNDS

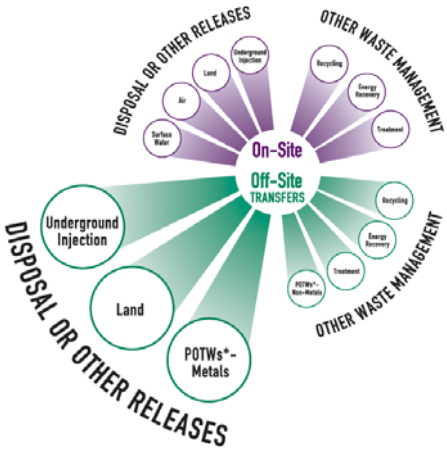
The reporting threshold for lead and lead compounds was lowered beginning with the 2001 reporting year so this is the third year of reporting under the lowered threshold.

What were the total reported disposal or other releases of lead and lead compounds for 2003?

Total disposal or other releases of lead and lead compounds were 432 million pounds for 2003.



- 94% (404 million pounds) was disposed of or otherwise released **on-site**, including:
  - 207 million pounds (48%) of other land disposal (such as waste piles, spills or leaks);
  - 132 million pounds (31%) to surface impoundments, other than RCRA Subtitle C surface impoundments; and
  - 1.3 million pounds (0.3%) of air emissions.
- 6% (28 million pounds) were **off-site** disposal or other releases



How do the 2003 data compare to 2002 and 2001 (the first year of reporting under the lower threshold) for lead and lead compounds?

From **2002 to 2003** disposal or other releases for lead and lead compounds **increased** by 26.7 million pounds or 7%.

- The metal mining sector accounted for 80% of the total disposal or other releases in 2003 and an **increase** of 9% from 2002 to 2003.
- Without the metal mining sector, total on- and off-site disposal or other releases **decreased** by 3% from 2002 to 2003.
- Some industry sectors reported **decreases**, including:
  - Primary metals facilities, with a **decrease** of 1% from 2002 to 2003; and
  - Electric utilities, with a **decrease** of 4% from 2002 to 2003.

Lead and lead compounds disposal or other releases **increased** by 1.9 million pounds or 0.4% from **2001 to 2003**.

- The metal mining sector had an **increase** of 3% from 2001 to 2003.
  - ► One metal mining facility reported 38% of the total 2003 disposal or other releases (mostly on-site) and accounted for an increase of 33 million pounds from 2001 to 2003.
- Without the metal mining sector total disposal or other releases of lead and lead compounds **decreased** by 9% from 2001 to 2003.
- Some industry sectors reported **decreases**, including:
  - ► Primary metals facilities, with a **decrease** of 36% from 2001 to 2003; and
  - ► Electric utilities, with a **decrease** of 7% from 2001 to 2003.
- Facilities reporting zero disposal or other releases represented about 18% of all facilities (1,504 facilities) reporting lead and lead compounds in 2003 and about 20% in 2001 (1,751 facilities).

What were the other waste management quantities and total production-related waste managed for lead and lead compounds for 2003?

Total production-related waste managed for lead and lead compounds was 1.2 billion pounds for 2003. Most of the lead waste was recycled.

- 64% (791 million pounds) was recycled, mostly recycling **on-site** (561 million pounds).
  - ► 404 million pounds was recycled on-site by primary metals facilities, and
- 36% (438 million pounds) was the quantity managed as **on-site** disposal or other releases.
  - ► Metal mining had 348 million pounds mainly as on-site disposal or releases other than to landfills or underground injection.

- 153 million pounds were recycled **off-site** by electronic/electrical equipment manufacturers.

Total production-related waste managed for lead and lead compounds **increased** by 2% (21 million pounds) from 2002 to 2003, but had an overall **decrease** of 3% (43 million pounds) from 2001 to 2003.

- Recycling **decreased** by 1% from 2002 to 2003 and by 5% from 2001 to 2003.

- Quantity disposed of or otherwise released **increased** by 7% from 2002 to 2003 and by 1% from 2001 to 2003, including
  - ► Lead and lead compounds from primary metals which **increased** by 11% from 2002-2003 and by 8% from 2001 to 2003.
  - ► Lead and lead compounds from metal mining which **increased** by 9% from 2002 to 2003 and by 3% from 2001 to 2003.
  - ► Lead and lead compounds from electronic/electrical equipment which **decreased** by 13% from 2002 to 2003 and by 25% from 2001 to 2003.

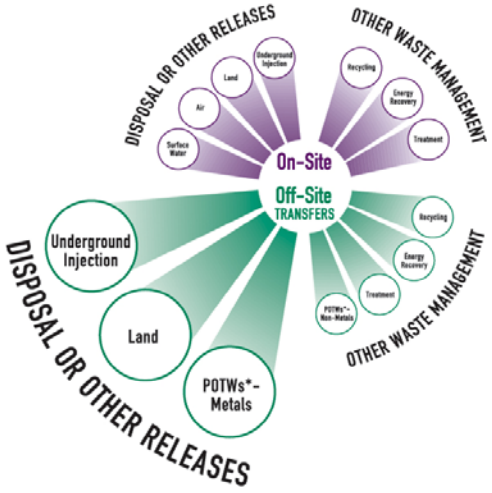
MERCURY AND MERCURY COMPOUNDS

The reporting threshold for mercury and mercury compounds was lowered to 10 pounds beginning with reporting year 2000, so this is the fourth year of reporting under the lowered threshold.

What were the total mercury and mercury compounds disposal or other releases for 2003?
Total disposal or other releases of mercury and mercury compounds were 7.4 million pounds in 2003.

- 97% (7.2 million pounds) were **on-site** disposal or other releases, including
  - ► 5.3 million pounds (72%) of other land disposal (such as waste piles, spills or leaks)
  - ► 1.5 million pounds (20%) of surface impoundments, other than RCRA Subtitle C surface impoundments
  - ► 142,808 pounds (3%) of air emissions

- 3% (196,131 pounds) were **off-site** disposal or other releases.
- Two metal mining facilities accounted for 80% (5.9 million pounds) of the total on- and off-site disposal or other releases of mercury and mercury compounds for 2003.
  - ► These facilities reported disposal or other releases mainly to on-site surface impoundments and on-site landfills other than RCRA Subtitle C landfills.



Which industry sectors reported the largest disposal or other releases of mercury and mercury compounds in 2003?

- The metal mining industry reported the largest disposal or other releases of mercury and mercury compounds (91% of the total mercury and mercury compounds disposal or other releases).
  - ► Electric utilities reported the largest air emissions of any industry sector, with 64% of all air emissions of mercury and mercury compounds.
- Hazardous waste/solvent recovery facilities reported the largest off-site disposal or other releases (off-site transfers to disposal) of mercury and mercury compounds with 74% of all off-site disposal or other releases.

How do the 2003 data compare to data for 2002 and 2000 for mercury and mercury compounds?

From **2002 to 2003**, disposal or other releases for mercury and mercury compounds **increased** by 41% (2.1 million pounds).

- Total on-site disposal or other releases **increased** by 42% (2.1 million pounds), including
  - ► **increase** of 5.3 million pounds in other land disposal (waste piles, spills and leaks)
  - ► **decrease** of 1,216 pounds (1%) in air emissions.
- Total off-site disposal or other releases **increased** by 17% (28,925 pounds).

What caused the 41% increase in disposal or other releases of mercury and mercury compounds?

The preceding percentage was not adjusted to account for a facility reporting error. After adjusting for this facility's error, total disposal or other releases show an increase of 13% from 2002 to 2003. However, the TRI data available to the public through TRI Explorer will show total disposal or other releases of mercury and mercury compounds from 2002 to 2003 as 41% (2.1 million pounds) because this facility error has not been corrected in the TRI data at this time.

Without reporting by the two largest facilities (which excludes the facility reporting error mentioned above), disposal or other releases of mercury and mercury compounds decreased by 6% (101, 491 pounds).

- While electric utilities reported the largest air emissions of any industry sector, there was no appreciable change in air emissions of mercury and mercury compounds from electric utilities from 2002 to 2003.

From **2000 to 2003** (over four years), disposal or other releases for mercury and mercury compounds **increased** by 98% (3.7 million pounds).

- Total on-site disposal or other releases **increased** by 108% (3.7 million pounds)

- ► Two metal mining facilities reported a combined **increase** of 3.8 million pounds from 2000 to 2003.
- ► Without reporting by these facilities, disposal or other releases of mercury and mercury compounds **decreased** by 6% (94,358 pounds) from 2000 to 2003.

- On-site air emissions of mercury and mercury compounds **decreased** by 18,219 pounds (11%) from 2000 to 2003.

What were the other waste management quantities and the total production-related waste managed for mercury and mercury compounds for 2003?

Total production-related waste managed for mercury and mercury compounds was 5.15 million pounds for 2003. Most of the mercury waste was recycled.

- 25% (1.3 million pounds) was recycled, mostly recycling **on-site** (1.1 million pounds).

DIOXIN AND DIOXIN-LIKE COMPOUNDS

Dioxin and dioxin-like compounds were added to the TRI list for reporting year 2000 at a lowered reporting threshold of 0.1 grams. Please note: data for dioxin and dioxin-like compounds are reported in grams.

What were the total dioxin and dioxin-like compounds disposal or other releases for 2003?

Total disposal or other releases for dioxin and dioxin-like compounds were 269,037 grams (approximately 593 pounds) in 2003.

- 26% (69,661 grams) were **on-site** disposal or other releases, including
  - ► 1% (3,212 grams) of air emissions

- 74% (199,376 grams) were **off-site** disposal or other releases, including
  - ► One facility reported 138,972 grams, mainly as disposal in landfills other than RCRA Subtitle C landfills, due to transferring waste such as telephone poles.

How do the 2003 data compare to data for 2002 and 2000 for dioxins and dioxin-like compounds?

- From **2002 to 2003**, total disposal or other releases of dioxin and dioxin-like compounds **increased** by 129,433 grams (93%).
  - ► One facility reported an increase of 134,269 grams from 2002 to 2003 due to transferring waste such as telephone poles.
  - ► Without reporting by this one facility with a large increase, total disposal or other releases **decreased** by 4% (4835 grams) from 2002 to 2003.
    - o On-site disposal or other releases **increased** by 30% (15,794 grams). One facility reported an increase of 13,721 grams from 2002 to 2003.
    - o Off-site disposal or other releases **decreased** by 25% (20,629 grams).
  - ► On-site air emissions **increased** by 390 grams (14%) from 2002 to 2003.

- From **2000 to 2003**, total disposal or other releases of dioxin and dioxin-like compounds **increased** by 170,027 grams (172%).
  - ► One facility reported an increase of 138,967 grams from 2000 to 2003 due to transferring waste such as telephone poles
  - ► Without reporting by this one facility with a large increase, total disposal or other releases **increased** by 31% (31,060 grams) from 2000 to 2003.
  - ► On-site air emissions **decreased** by 537 grams (14%) from 2000 to 2003.

Looking at TRI data over the years

TRI DATA, 1998-2003

Over the six years from 1998 to 2003, total on- and off-site disposal or other releases of TRI chemicals **decreased** by 42 percent (by 2.87 billion pounds).

- The metal mining sector reported an overall **decrease** of 2.13 million pounds.
- Without the metal mining sectors, total disposal or other releases **decreased** by 20 percent (by 739 million pounds).

Total production-related waste managed **decreased** by 13% (3.56 billion pounds) from 1998 to 2003.

- Quantity disposed of or otherwise released **decreased** by 42% (2.86 billion pounds)
- Recycling on- and off-site **decreased** by 8% (707 million pounds)
- Energy recovery on- and off-site **decreased** by 5% (188 million pounds)
- Treatment on- and off-site **increased** by 2% (188 million pounds)

TRI DATA, 1988-2003

Over the sixteen years from 1988 to 2003, total on- and off-site disposal or other releases of TRI chemicals **decreased** by 59 percent (by 1.87 billion pounds), looking at trends in the industries and chemicals that have been consistently reported since that time.

TRI Data in Context to be released in draft Summer 2005

2003 TRI Public Data Release
Data Charts and Tables

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to The Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data document at www.epa.gov/tri/tridata.

The information in these data charts and tables contain the same information in EPA's TRI Explorer (www.epa.gov/triexplorer), as of March 2005.

Data Charts

These charts provide a graphical representation of the 2003 data as well as trend data from 1988 to 2003 and 1998 to 2003.

Data Tables

Releases by Industry

Top Counties

EPA has provided two sets of rankings for the counties with the largest disposal or other releases. One set of rankings shows total disposal or other releases, and the second shows total disposal or other releases, adjusted to subtract out quantities in Class I wells and landfills. The second group of rankings provides some indication of the amount of TRI chemicals that may be available to the environment.

Top Facilities
EPA has provided two sets of rankings for the facilities with the largest disposal or other releases. One set of rankings shows total disposal or other releases, and the second shows total disposal or other releases, adjusted to subtract out quantities in Class I wells and landfills. The second group of rankings provides some indication of the amount of TRI chemicals that may be available to the environment.

Lead

Mercury

Dioxin

Waste Management Activities (including recycling, energy recovery, and treated on- and off-site)

Recycling Data
The tables below contain information on the top facilities and chemicals for recycling on- and off-site for 2003. The top chemicals recycled are organized by Standard Industrial Classification (SIC) code.

Energy Recovery Data
The following tables contain information on the top chemicals used for energy recovery on- and off-site for 2003. These tables are organized by SIC code.

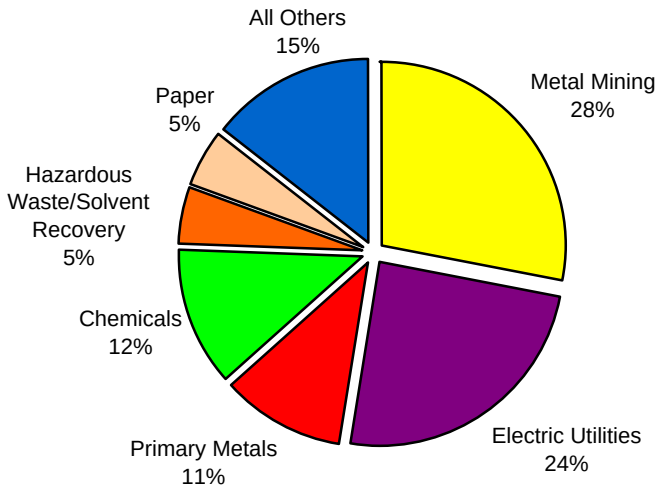
Chemicals Treated On- and Off-site Data

The following tables contain information on the top chemicals treated on- and off-site for 2003. These tables are organized by SIC code.

The 20 Chemicals with Largest Total Treated On-site and Off-site, 2003

TRI Total Disposal or Other Releases, 2003

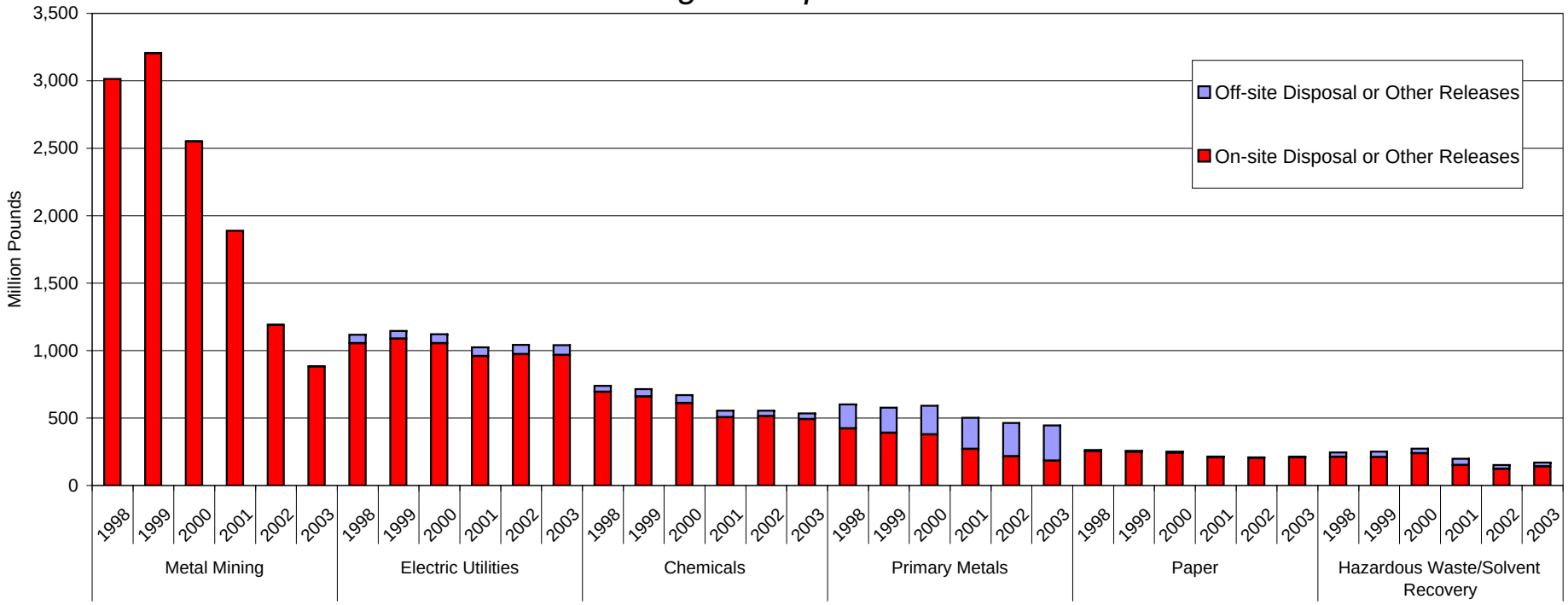
2003 TRI Total Disposal or Other Releases
4.44 billion pounds



Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to The Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data document at www.epa.gov/tri/tridata/index.htm#pdr. Data are from TRI Form R, Section 5 (all parts) and Section 6.1 (metals and metal compounds only) and Section 6.2 (disposal codes only and metals and metal compounds reported under codes M40 and M61). Does not include off-site disposal or other releases transferred t other TRI facilities that reported the amounts as on-site disposal or other releases. Data as of December 2004.

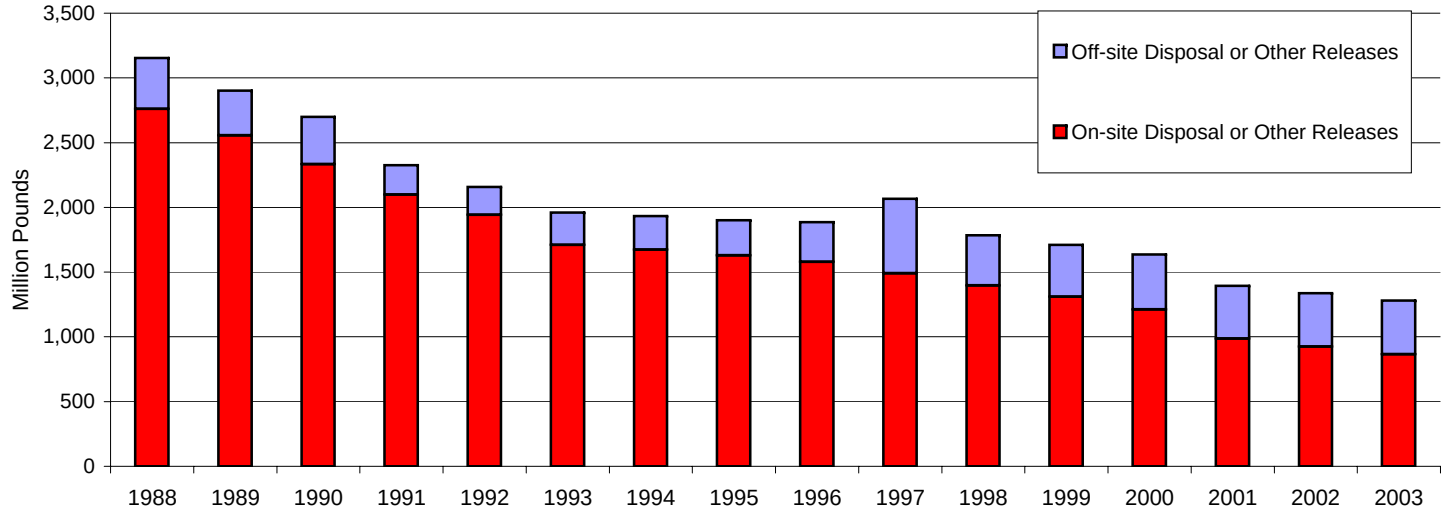
TRI Total Disposal or Other Releases, 1998-2003

Industries with Largest Disposal or Other Releases



Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to The Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data document at www.epa.gov/tri/tridata. Data are from TRI Form R, On-site Disposal or Other Releases Section 5 (all parts) and Off-site Disposal or Other Releases Section 6.1 (metals and metal compounds only) and Section 6.2 (disposal codes only and metals and metal compounds reported under codes M40 and M61). Does not include PBT chemicals, vanadium and vanadium compounds. Does not include off-site disposal or other releases transferred to other TRI facilities that reported the amounts as on-site disposal or other releases. Data as of March 2005.

TRI Total Disposal or Other Releases, 1988-2003



Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to The Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data document at www.epa.gov/tri/tridata. Data are from TRI Form, Section 5 (all parts) and Section 6.1 (metals and metal compounds only) and Section 6.2 (disposal codes only and metals and metal compounds reported under codes M40 and M61). Does not include delisted chemicals, chemicals added in 1990, 1994 and 1995, aluminum oxide, ammonia, hydrochloric acid, PBT chemicals, sulfuric acid, vanadium and vanadium compounds. For the years 1998 and after, does not include industries, other than manufacturing industries, that are required to report for 1998 and later years only. Data as of March 2005.

TRI On-site and Off-site Disposal or Other Releases, 2003

	Number	
Total Facilities	23,811	
Total Forms	91,647	
Form As	11,478	
	Pounds	**Percent**
On-site Disposal to Class I Underground Injection Wells, RCRA Subtitle C Landfills, and Other Landfills	**639,080,339**	**14.4**
Class I Wells	200,402,228	4.5
RCRA Subtitle C Landfills	170,794,270	3.8
Other On-site Landfills	267,883,840	6.0
Other On-site Disposal or Other Releases	**3,281,608,191**	**73.9**
Fugitive Air Emissions	205,095,324	4.6
Point Source Air Emissions	1,381,295,231	31.1
Surface Water Discharges	222,628,110	5.0
Class II-V Wells	21,968,824	0.5
Land Treatment	15,675,243	0.4
RCRA Subtitle C Surface Impoundments	5,542,266	0.1
Other Surface Impoundments	817,040,382	18.4
Other Land Disposal	612,362,811	13.8
Total On-site Disposal or Other Releases	**3,920,688,530**	**88.3**
Off-site Disposal to Class I Underground Injection Wells, RCRA Subtitle C Landfills, and Other Landfills	**331,408,856**	**7.5**
Class I Wells	10,306,569	0.2
RCRA Subtitle C Landfills	50,298,924	1.1
Other Landfills	270,803,363	6.1
Other Off-site Disposal or Other Releases	**186,622,431**	**4.2**
Storage Only	5,674,497	0.1
Solidification/Stabilization (Metals and Metal Compounds Only)	83,170,051	1.9
Wastewater Treatment (Excluding POTWs) (Metals and Metal Compounds Only)	2,218,133	0.0
Transfers to POTWs (Metals and Metal Category Compounds Only)	1,888,476	0.0
Class II-V Wells	260,492	0.0
RCRA Subtitle C Surface Impoundments	300,843	0.0
Other Surface Impoundments	4,849,779	0.1
Land Treatment	9,288,780	0.2
Other Land Disposal	31,789,491	0.7
Other Off-site Management	15,963,360	0.4
Transfers to Waste Broker for Disposal	26,133,138	0.6
Unknown	5,085,389	0.1
Total Off-site Disposal or Other Releases	**518,031,287**	**11.7**
Total On-site and Off-site Disposal or Other Releases	**4,438,719,817**	**100.0**

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to *The Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data* document at **www.epa.gov/tri/tridata.**

On-site Disposal or Other Releases include Underground Injection to Class I Wells (Section 5.4.1), RCRA Subtitle C Landfills (5.5.1A), Other Landfills (5.5.1B), Fugitive or Non-point Air Emissions (5.1), Stack or Point Air Emissions (5.2), Surface Water Discharges (5.3), Class II-V Wells (5.4.2), Land Treatment (5.5.2), RCRA Subtitle C Surface Impoundments (5.5.3A), Other Impoundments (5.5.3B) and Other Land Disposal (5.5.4).

Off-site Disposal or Other Releases include from Section 6.2 Underground Injection Class I Wells (M81), Underground Injection Class II-V Wells (M82), RCRA Subtitle C Landfills (M65), Other Landfills (M64, M72), Storage Only (M10), Solidification/Stabilization - Metals and Metal Category Compounds only (M41 or M40), Wastewater Treatment (excluding POTWs) - Metals and Metal Category Compounds only (M62 or M61), RCRA Subtitle C Surface Impoundments (M66), Other Surface Impoundments (M67), Land Treatment (M73), Other Land Disposal (M79), Other Off-site Management (M90), Transfers to Waste Broker - Disposal (M94, M91), and Unknown (M99) and, from Section 6.1 Transfers to POTWs (metals and metal category compounds only).

Does not include Off-site Disposal or Other Releases transferred to other TRI facilities that reported the amounts as on-site disposal or other releases.

TRI On-site and Off-site Disposal or Other Releases, 2002-2003

	2002	2003	Change 2002-2003	
	Number	Number	Number	Percent
Total Facilities	24,699	23,811	-888	-3.6
Total Forms	94,397	91,647	-2,750	-2.9
Form Rs	82,378	80,169	-2,209	-2.7
Form As	12,019	11,478	-541	-4.5
On-site Disposal or Other Releases	**Pounds**	**Pounds**	**Pounds**	**Percent**
On-site Disposal to Class I Underground Injection Wells, RCRA Subtitle C Landfills, and Other Landfills	**592,739,611**	**639,080,339**	**46,340,728**	**7.8**
Class I Wells	202,847,116	200,402,228	-2,444,887	-1.2
RCRA Subtitle C Landfills	123,194,379	170,794,270	47,599,891	38.6
Other On-site Landfills	266,698,116	267,883,840	1,185,724	0.4
Other On-site Disposal or Other Releases	**3,637,342,806**	**3,281,608,191**	**-355,734,615**	**-9.8**
Fugitive Air Emissions	209,047,330	205,095,324	-3,952,006	-1.9
Point Source Air Emissions	1,425,487,450	1,381,295,231	-44,192,219	-3.1
Surface Water Discharges	232,242,663	222,628,110	-9,614,554	-4.1
Class II-V Wells	20,520,747	21,968,824	1,448,077	7.1
Land Treatment	21,884,529	15,675,243	-6,209,286	-28.4
Surface Impoundments	771,340,197	822,582,648	51,242,451	6.6
Other Land Disposal	956,819,890	612,362,811	-344,457,079	-36.0
Total On-site Disposal or Other Releases	**4,230,082,417**	**3,920,688,530**	**-309,393,887**	**-7.3**
Off-site Disposal or Other Releases				
Off-site Disposal to Class I Underground Injection Wells, RCRA Subtitle C Landfills, and Other Landfills	**274,337,692**	**331,669,348**	**57,331,656**	**20.9**
Underground Injection	9,706,031	10,567,062	861,031	8.9
RCRA Subtitle C Landfills	36,903,956	50,298,924	13,394,968	36.3
Other Landfills	227,727,706	270,803,363	43,075,657	18.9
Other Off-site Disposal or Other Releases	**240,239,893**	**186,361,939**	**-53,877,954**	**-22.4**
Storage Only	9,151,116	5,674,497	-3,476,619	-38.0
Solidification/Stabilization (Metals and Metal Category Compounds Only)	122,924,169	83,170,051	-39,754,118	-32.3
Wastewater Treatment (Excluding POTWs) (Metals and Metal Category Compounds Only)	3,567,221	2,218,133	-1,349,088	-37.8
Transfers to POTWs (Metals and Metal Category Compounds Only)	1,978,804	1,888,476	-90,328	-4.6
Surface Impoundments	16,724,382	5,150,623	-11,573,759	-69.2
Land Treatment	9,669,152	9,288,780	-380,372	-3.9
Other Land Disposal	41,938,149	31,789,491	-10,148,657	-24.2
Other Off-site Management	15,193,372	15,963,360	769,988	5.1
Transfers to Waste Broker for Disposal	12,898,408	26,133,138	13,234,730	102.6
Unknown	6,195,119	5,085,389	-1,109,729	-17.9
Total Off-site Disposal or Other Releases	**514,577,585**	**518,031,287**	**3,453,702**	**0.7**
Total On-site and Off-site Disposal or Other Releases	**4,744,660,002**	**4,438,719,817**	**-305,940,185**	**-6.4**

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to *The Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data* document at **www.epa.gov/tri/tridata.**

Note: On-site Disposal or Other Releases include Underground Injection to Class I Wells (Section 5.4.1), RCRA Subtitle C Landfills (5.5.1A), Other Landfills (5.5.1B), Fugitive or Non-point Air Emissions (5.1), Stack or Point Source Air Emissions (5.2), Surface Water Discharges (5.3), Class II-V Wells (5.4.2), Land Treatment (5.5.2), Surface Impoundments (5.5.3, 5.5.3A and 5.5.3B) and Other Land Disposal (5.5.4). Off-site Disposal or Other Releases include from Section 6.2 Underground Injection (M82, M81and M71), RCRA Subtitle C Landfills (M65), Other Landfills (M64, M72), Storage Only (M10), Solidification/Stabilization - Metals and Metal Category Compounds only (M41 or M40), Wastewater Treatment (excluding POTWs) - Metals and Metal Category Compounds only (M62 or M61), Surface Impoundments (M67, M66 and M63), Land Treatment (M73), Other Land Disposal (M79), Other Off-site Management (M90), Transfers to Waste Broker - Disposal (M94, M91), and Unknown (M99) and, from Section 6.1, Transfers to POTWs (metals and metal category compounds only).

Does not include Off-site Disposal or Other Releases transferred to other TRI facilities that reported the amounts as on-site disposal or other releases.

TRI On-site and Off-site Disposal or Other Releases, 1998-2003

	1998	1999	2000	2001	2002	2003	Change 1998-2003	
	Number	Number	Number	Number	Number	Number	Number	Percent
Total Facilities	23,549	23,191	23,095	22,296	21,522	20,681	-2,868	-12.2
Total Forms	85,359	84,304	83,821	80,577	77,892	75,408	-9,951	-11.7
Form Rs	72,363	71,491	70,764	68,126	65,921	63,974	-8,389	-11.6
Form As	12,996	12,813	13,057	12,451	11,971	11,434	-1,562	-12.0
On-site Disposal or Other Releases	**Pounds**	**Pounds**	**Pounds**	**Pounds**	**Pounds**	**Pounds**	**Pounds**	**Pounds**
Total Air Emissions	2,088,027,411	2,041,114,771	1,914,533,435	1,650,676,109	1,631,054,835	1,582,990,714	-505,036,696	-24.2
Fugitive Air	305,415,707	276,266,513	252,090,716	223,250,915	208,393,430	204,551,586	-100,864,122	-33.0
Stack Air	1,782,611,704	1,764,848,259	1,662,442,719	1,427,425,195	1,422,661,406	1,378,439,129	-404,172,575	-22.7
Surface Water Discharges	254,082,812	268,708,282	266,957,896	230,320,416	231,498,731	221,621,600	-32,461,212	-12.8
Underground Injection	258,418,011	250,736,509	269,376,815	208,255,127	215,090,262	213,696,571	-44,721,440	-17.3
Underground Injection Class I	232,355,325	223,281,201	239,638,810	192,291,432	201,461,307	198,988,636	-33,366,689	-14.4
Class II-V Wells	26,062,686	27,455,308	29,738,005	15,963,695	13,628,955	14,707,935	-11,354,751	-43.6
On-site Land	3,781,938,878	3,947,255,613	3,286,979,671	2,498,395,775	1,734,905,844	1,419,968,051	-2,361,970,827	-62.5
RCRA Subtitle C Landfills	190,717,807	187,043,911	199,763,003	117,135,163	105,306,614	121,307,904	-69,409,903	-36.4
Other On-site Landfills	260,282,691	242,147,716	274,756,322	273,683,639	229,622,160	219,851,468	-40,431,223	-15.5
Land Treatment	9,721,163	11,022,137	13,761,048	13,524,282	20,345,045	15,107,392	5,386,229	55.4
Surface Impoundments	1,289,538,424	1,133,737,928	962,984,857	801,791,282	631,375,941	666,149,263	-623,389,161	-48.3
Other Land Disposal	2,031,678,793	2,373,303,921	1,835,714,441	1,292,261,409	748,256,083	397,552,024	-1,634,126,769	-80.4
Total On-site Disposal or Other Releases	**6,382,467,112**	**6,507,815,175**	**5,737,847,817**	**4,587,647,428**	**3,812,549,673**	**3,438,276,936**	**-2,944,190,176**	**-46.1**
Off-site Disposal or Other Releases								
Storage Only	8,187,889	7,170,764	9,195,792	5,447,807	8,104,000	4,821,846	-3,366,043	-41.1
Solidification/Stabilization (Metals and Metal Category Compounds Only)	41,632,240	42,391,853	70,468,224	88,043,450	115,989,033	75,668,667	34,036,427	81.8
Wastewater Treatment-Metals and Metal Category Compounds Only	3,065,183	7,099,612	7,033,134	3,694,785	3,258,949	1,896,530	-1,168,654	-38.1
Transfers to POTWs Metal and Metal Category Compounds	3,552,002	2,766,120	2,899,519	2,157,041	1,916,155	1,838,868	-1,713,134	-48.2
Underground Injection	11,402,845	25,429,005	22,335,966	16,458,856	9,643,303	10,493,702	-909,143	-8.0
Landfill/Surface Impoundments	273,481,778	273,192,748	298,952,610	302,431,618	253,074,312	304,619,410	31,137,632	11.4
Land Treatment	2,215,102	3,641,981	5,536,800	7,115,913	8,955,581	8,882,736	6,667,634	301.0
Other Land Disposal	27,158,919	24,806,961	23,153,811	27,124,879	35,949,290	29,840,066	2,681,147	9.9
Other Off-Site Management	18,133,772	24,877,997	16,705,077	14,459,064	13,779,050	14,732,509	-3,401,263	-18.8
Waste Broker	14,586,317	13,094,020	14,827,685	10,376,153	11,013,211	24,158,793	9,572,476	65.6
Unknown	3,898,891	4,528,263	6,628,414	2,924,542	5,289,027	4,616,875	717,984	18.4
Total Off-site Disposal or Other Releases	**407,314,939**	**428,999,324**	**477,737,032**	**480,234,107**	**466,971,911**	**481,570,002**	**74,255,063**	**18.2**
Total On- and Off-site Disposal or Other Releases	**6,789,782,050**	**6,936,814,499**	**6,215,584,849**	**5,067,881,535**	**4,279,521,583**	**3,919,846,938**	**-2,869,935,113**	**-42.3**

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to *The Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data* document at **www.epa.gov/tri/tridata.** Does not include PBT chemicals, vanadium and vanadium compounds.

Note: On-site Disposal or Other Releases include Underground Injection to Class I Wells (Section 5.4.1), RCRA Subtitle C Landfills (5.5.1A), Other Landfills (5.5.1B), Fugitive or Non-point Air Emissions (5.1), Stack or Point Source Air Emissions (5.2), Surface Water Discharges (5.3), Class II-V Wells (5.4.2), Land Treatment (5.5.2), RCRA Subtitle C Surface Impoundments (5.5.3A), Other Surface Impoundments (5.5.3B) and Other Land Disposal (5.5.4). Off-site Disposal or Other Releases include from Section 6.2 Underground Injection to Class I Wells (M81), RCRA Subtitle C Landfills (M65), Other Landfills (M64, M72), Storage Only (M10), Solidification/Stabilization - Metals and Metal Category Compounds only (M41 or M40), Wastewater Treatment (excluding POTWs) - Metals and Metal Category Compounds only (M62 or M61), RCRA Subtitle C Surface Impoundments (M66), Other Surface Impoundments (M67, M63), Land Treatment (M73), Other Land Disposal (M79), Underground Injection to Class II-V Wells (M82, M71), Other Off-site Management (M90), Transfers to Waste Broker - Disposal (M94, M91), and Unknown (M99) and, from Section 6.1, Transfers to POTWs (metals and metal category compounds only).

Does not include Off-site Disposal or Other Releases transferred to other TRI facilities that reported the amounts as on-site disposal or other releases.

TRI On-site and Off-site Disposal or Other Releases, 1988, 1998 and 2002-2003

	1988	1998	2002	2003	Change 1988-2003	
	Number	Number	Number	Number	Number	Percent
Total Facilities	19,590	19,335	17,441	16,797	-2,793	-14.3
Total Forms	58,489	57,965	52,385	50,764	-7,725	-13.2
On-site Disposal or Other Releases						
Total Air Emissions	2,177,827,051	931,137,514	622,421,476	587,120,600	-1,590,706,451	-73.0
Fugitive Air Emissions	679,531,956	219,161,715	143,898,795	146,873,656	-532,658,300	-78.4
Point Source Air Emissions	1,498,295,095	711,975,799	478,522,681	440,246,945	-1,058,048,150	-70.6
Surface Water Discharges	41,668,109	18,551,065	17,523,115	15,909,553	-25,758,556	-61.8
Underground Injection	161,907,957	114,408,368	105,281,733	98,958,318	-62,949,639	-38.9
On-site Land	379,123,257	331,287,237	178,214,842	164,204,614	-214,918,643	-56.7
Total On-site Disposal or Other Releases	**2,760,526,374**	**1,395,384,184**	**923,441,167**	**866,193,085**	**-1,894,333,289**	**-68.6**
Off-site Disposal or Other Releases						
Storage Only	13,668,594	5,267,729	4,536,738	2,213,615	-11,454,979	-83.8
Solidification/Stabilization (Metals and Metal Category Compounds Only)	26,620,239	122,626,839	167,604,439	111,198,336	84,578,097	317.7
Wastewater Treatment (Excluding POTWs) (Metals and Metal Category Compounds Only)	4,521,656	3,052,960	5,823,541	4,930,083	408,427	9.0
Transfers to POTWs (Metals and Metal Category Compounds Only)	9,373,166	3,260,965	1,870,480	1,800,499	-7,572,667	-80.8
Underground Injection	8,510,253	8,809,437	12,287,438	11,365,425	2,855,172	33.5
Landfills/Surface Impoundments	243,617,195	209,233,280	192,150,124	255,325,883	11,708,688	4.8
Land Treatment	2,229,844	515,031	3,779,759	3,707,153	1,477,309	66.3
Other Land Disposal	9,200,093	13,066,989	12,635,832	12,131,956	2,931,863	31.9
Other Off-site Management	37,056,902	8,601,405	2,917,817	3,634,001	-33,422,901	-90.2
Transfers to Waste Broker for Disposal	28,335,683	12,056,891	7,869,163	5,036,483	-23,299,200	-82.2
Unknown	10,069,918	3,351,440	3,484,528	3,027,923	-7,041,995	-69.9
Total Off-site Disposal or Other Releases	**393,203,543**	**389,842,966**	**414,959,858**	**414,371,358**	**21,167,815**	**5.4**
Total On-site and Off-site Disposal or Other Releases	**3,153,729,917**	**1,785,227,150**	**1,338,401,025**	**1,280,564,443**	**-1,873,165,473**	**-59.4**

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to *The Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data* document at **www.epa.gov/tri/tridata**.

On-site Disposal or Other Releases include Fugitive or Non-point Air Emissions (5.1), Stack or Point Air Emissions (5.2), Surface Water Discharges (5.3), Underground Injection (Section 5.4), Landfills (5.5.1), Land Treatment (5.5.2), Surface Impoundments (5.5.3) and Other Land Disposal (5.5.4). Off-site Disposal or Other Releases include from Section 6.2 Underground Injection (M71, M81, M82), Landfills/Surface Impoundments (M63, M64, M65, M66, M67, M72), Storage Only (M10), Solidification/Stabilization - Metals and Metal Category Compounds only (M41 or M40), Wastewater Treatment (excluding POTWs) - Metals and Metal Category Compounds only (M62 or M61), Land Treatment (M73), Other Land Disposal (M79), Other Off-site Management (M90), Transfers to Waste Broker - Disposal (M94, M91), and Unknown (M99) and, from Section 6.1 Transfers to POTWs (metals and metal category compounds only).

Does not include delisted chemicals, chemicals added in 1990, 1994 and 1995, aluminum oxide, ammonia, hydrochloric acid, PBT chemicals, sulfuric acid, vanadium and vanadium compounds.

TRI On-site and Off-site Disposal or Other Releases, by Industry, 200

SIC Code	Industry	On-site Disposal or Other Releases													Total Off-site Disposal or Other Releases	Total On-site and Off-site Disposal or Other Releases
		On-site Disposal to Class I Underground Injection Wells, RCRA Subtitle C Landfills, and Other Landfills				Other On-site Disposal or Other Releases										
		Class I Wells	RCRA Subtitle C Landfills	Other On-site Landfills	Subtotal	Fugitive Air Emissions	Point Source Air Emissions	Surface Water Discharges	Class II-V Wells	Land Treatment	RCRA Subtitle C Surface Impoundments	Other Surface Impoundments	Other Land Disposal	Subtotal	Total On-site Disposal or Other Releases	
		Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
10	Metal Mining	0	0	17,124,349	17,124,349	1,285,236	1,753,800	679,446	21,584,184	13,150	2,236,052	637,974,487	562,019,783	1,227,546,138	1,244,670,487	1,037,942	1,245,708,429
12	Coal Mining	0	0	7,952,585	7,952,585	842,399	64,775	199,797	58,768	1,154,725	21,088	1,817,948	795,570	4,955,069	12,907,654	4,925	12,912,580
20	Food	63,205	546	41,361	105,112	16,998,226	35,055,551	83,136,183	17,044	9,873,967	89,218	140,913	428,500	145,739,602	145,844,714	7,340,634	153,185,349
21	Tobacco	0	0	2,376	2,376	58,494	2,416,426	130,052	0	149,836	0	0	0	2,754,807	2,757,183	421,402	3,178,586
22	Textiles	0	0	0	0	1,130,155	4,826,038	262,178	0	123,650	0	160,937	53	6,503,010	6,503,010	894,688	7,397,699
23	Apparel	0	0	0	0	112,094	366,780	0	0	0	0	0	0	478,875	478,875	200,481	679,355
24	Lumber	0	2,273	330,292	332,566	3,370,921	27,040,230	108,277	0	115,179	250	1,108	16,190	30,652,154	30,984,719	2,021,849	33,006,568
25	Furniture	0	0	1	1	691,650	5,410,353	35	0	0	0	0	35,961	6,137,999	6,138,000	71,580	6,209,580
26	Paper	0	42	12,545,504	12,545,546	27,019,698	146,219,717	18,715,017	0	1,064,035	128,025	3,635,346	307,503	197,089,341	209,634,887	5,327,919	214,962,805
27	Printing	0	87	0	87	7,253,937	7,437,745	549	0	0	0	0	4,951	14,697,183	14,697,270	287,911	14,985,181
28	Chemicals	177,818,769	3,804,019	24,987,711	206,610,499	62,053,840	168,589,153	44,537,842	273,096	557,537	23,290	12,922,181	4,731,869	293,688,809	500,299,307	44,440,173	544,739,481
29	Petroleum	2,487,806	56	724,902	3,212,764	16,706,339	34,608,196	17,134,723	32,752	54,496	12	61,682	98,744	68,696,945	71,909,709	3,059,186	74,968,895
30	Plastics	0	15,272	165,188	180,460	14,095,493	51,339,039	125,302	0	0	11	4,997	81,715	65,646,558	65,827,018	9,461,313	75,288,331
31	Leather	0	0	6,725	6,725	269,382	655,731	27,908	0	60	0	0	5	953,086	959,811	1,139,481	2,099,292
32	Stone/Clay/Glass	0	94,933	3,332,388	3,427,320	1,556,565	38,084,142	2,133,677	2,971	195	169	230,674	337,690	42,346,084	45,773,404	5,469,229	51,242,633
33	Primary Metals	945,916	9,728,105	36,433,952	47,107,973	13,504,646	35,879,537	39,443,391	5	15,115	0	32,623,268	29,540,600	151,006,562	198,114,535	279,358,340	477,472,875
34	Fabricated Metals	0	14,789	48,262	63,051	12,327,229	23,708,658	2,331,208	0	17,556	125	8,368	340,049	38,733,193	38,796,244	19,827,879	58,624,123
35	Machinery	0	11	3,688,102	3,688,112	2,666,073	4,127,143	209,418	0	210	0	8	20,986	7,023,837	10,711,949	3,627,929	14,339,878
36	Electrical Equip.	0	239,208	198,932	438,140	3,281,807	6,476,571	3,628,323	0	0	750	2,466	5,939	13,395,857	13,833,997	6,444,050	20,278,047
37	Transportation Equip.	6,354	2,676	236,433	245,463	11,936,992	51,064,653	207,966	0	0	0	34	92,279	63,301,924	63,547,387	11,228,710	74,776,098
38	Measure/Photo.	0	5,765	168	5,933	1,694,548	5,123,745	1,018,609	0	341	0	5	82,747	7,919,995	7,925,928	788,458	8,714,386
39	Miscellaneous	0	755	1,450	2,205	926,391	3,908,177	62,644	0	0	0	5	504	4,897,720	4,899,925	2,155,240	7,055,165
491/493	Electric Utilities	0	51,833	144,198,732	144,250,565	284,136	721,277,416	3,340,491	4	1,993,907	1,238,158	126,316,380	5,397,157	859,847,648	1,004,098,213	78,665,493	1,082,763,707
5169	Chemical Wholesale Distributors	0	0	0	0	634,593	639,584	1,218	0	0	5	5	6,067	1,281,472	1,281,472	117,925	1,399,396
5171	Petroleum Terminals/Bulk Storage	0	12	0	12	974,868	1,820,524	12,614	0	0	0	14,333	7,393	2,829,733	2,829,745	349,073	3,178,818
7389/4953	Hazardous Waste/Solvent Recovery	19,080,178	156,200,572	15,801,796	191,082,546	287,991	498,873	300,944	0	10	1,803,701	2	127,109	3,018,630	194,101,176	33,007,422	227,108,598
--	No codes	0	633,316	62,631	695,947	3,131,619	2,902,674	4,880,299	0	541,275	1,412	1,125,238	7,883,444	20,465,962	21,161,909	1,282,055	22,443,964
	Total	**200,402,228**	**170,794,270**	**267,883,840**	**639,080,339**	**205,095,324**	**1,381,295,231**	**222,628,110**	**21,968,824**	**15,675,243**	**5,542,266**	**817,040,382**	**612,362,811**	**3,281,608,191**	**3,920,688,530**	**518,031,287**	**4,438,719,817**

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to *The Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data* document at **www.epa.gov/tri/tridata.**

Note: On-site Disposal or Other Releases include Underground Injection to Class I Wells (Section 5.4.1), RCRA Subtitle C Landfills (5.5.1A), Other Landfills (5.5.1B), Fugitive or Non-point Air Emissions (5.1), Stack or Point Source Air Emissions (5.2), Surface Water Discharges (5.3), Class II-V Wells (5.4.2), Land Treatment (5.5.2), RCRA Subtitle C Surface Impoundments (5.5.3A), Other Surface Impoundments (5.5.3B) and Other Land Disposal (5.5.4). Off-site Disposal or Other Releases include from Section 6.2 Underground Injection to Class I Wells (M81), RCRA Subtitle C Landfills (M65), Other Landfills (M64, M72), Storage Only (M10), Solidification/Stabilization - Metals and Metal Category Compounds only (M41 or M40), Wastewater Treatment (excluding POTWs) - Metals and Metal Category Compounds only (M62 or M61), RCRA Subtitle C Surface Impoundments (M66), Other Surface Impoundments (M67, M63), Land Treatment (M73), Other Land Disposal (M79), Underground Injection to Class II-V Wells (M82, M71), Other Off-site Management (M90), Transfers to Waste Broker - Disposal (M94, M91), and Unknown (M99) and, from Section 6.1, Transfers to POTWs (metals and metal category compounds only).

Does not include Off-site Disposal or Other Releases transferred to other TRI facilities that reported the amounts as on-site disposal or other releases.

TRI On-site and Off-site Disposal or Other Releases, by Industry, 2003: The 10 Industries with Largest Total On-site Disposal or Other Releas

		On-site Disposal or Other Releases															
		On-site Disposal to Class I Underground Injection Wells, RCRA Subtitle C Landfills, and Other Landfills				Other On-site Disposal or Other Releases									Total On-site Disposal or Other Releases	Total Off-site Disposal or Other Releases	Total On-site and Off-site Disposal or Other Releases
SIC Code	Industry	Class I Wells	RCRA Subtitle C Landfills	Other On-site Landfills	Subtotal	Fugitive Air Emissions	Point Source Air Emissions	Surface Water Discharges	Class II-V Wells	Land Treatment	RCRA Subtitle C Surface Impoundments	Other Surface Impoundments	Other Land Disposal	Subtotal			
		Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
10	Metal Mining	0	0	17,124,349	17,124,349	1,285,236	1,753,800	679,446	21,584,184	13,150	2,236,052	637,974,487	562,019,783	1,227,546,138	1,244,670,487	1,038,124	1,245,708,611
491/493	Electric Utilities	0	51,833	144,198,732	144,250,565	284,136	721,277,416	3,340,491	4	1,993,907	1,238,158	126,316,380	5,397,157	859,847,648	1,004,098,213	84,361,332	1,088,459,545
28	Chemicals	177,818,769	3,804,019	24,987,711	206,610,499	62,053,840	168,589,153	44,537,842	273,096	557,537	23,290	12,922,181	4,731,869	293,688,809	500,299,307	54,170,366	554,469,674
26	Paper	0	42	12,545,504	12,545,546	27,019,698	146,219,717	18,715,017	0	1,064,035	128,025	3,635,346	307,503	197,089,341	209,634,887	5,405,555	215,040,442
33	Primary Metals	945,916	9,728,105	36,433,952	47,107,973	13,504,646	35,879,537	39,443,391	5	15,115	0	32,623,268	29,540,600	151,006,562	198,114,535	334,320,228	532,434,763
7389/4953	Hazardous Waste/Solvent Recovery	19,080,178	156,200,572	15,801,796	191,082,546	287,991	498,873	300,944	0	10	1,803,701	2	127,109	3,018,630	194,101,176	35,910,592	230,011,768
20	Food	63,205	546	41,361	105,112	16,998,226	35,055,551	83,136,183	17,044	9,873,967	89,218	140,913	428,500	145,739,602	145,844,714	7,342,519	153,187,234
29	Petroleum	2,487,806	56	724,902	3,212,764	16,706,339	34,608,196	17,134,723	32,752	54,496	12	61,682	98,744	68,696,945	71,909,709	3,684,744	75,594,453
30	Plastics	0	15,272	165,188	180,460	14,095,493	51,339,039	125,302	0	0	11	4,997	81,715	65,646,558	65,827,018	9,638,055	75,465,073
37	Transportation Equip.	6,354	2,676	236,433	245,463	11,936,992	51,064,653	207,966	0	0	0	34	92,279	63,301,924	63,547,387	11,486,522	75,033,909

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to *The Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data* document at **www.epa.gov/tri/tridata.**

Note: On-site Disposal or Other Releases include Underground Injection to Class I Wells (Section 5.4.1), RCRA Subtitle C Landfills (5.5.1A), Other Landfills (5.5.1B), Fugitive or Non-point Air Emissions (5.1), Stack or Point Source Air Emissions (5.2), Surface Water Discharges (5.3), Class II-V Wells (5.4.2), Land Treatment (5.5.2), RCRA Subtitle C Surface Impoundments (5.5.3A), Other Surface Impoundments (5.5.3B) and Other Land Disposal (5.5.4). Off-site Disposal or Other Releases include from Section 6.2 Underground Injection to Class I Wells (M81), RCRA Subtitle C Landfills (M65), Other Landfills (M64, M72), Storage Only (M10), Solidification/Stabilization - Metals and Metal Category Compounds only (M41 or M40), Wastewater Treatment (excluding POTWs) - Metals and Metal Category Compounds only (M62 or M61), RCRA Subtitle C Surface Impoundments (M66), Other Surface Impoundments (M67, M63), Land Treatment (M73), Other Land Disposal (M79), Underground Injection to Class II-V Wells (M82, M71), Other Off-site Management (M90), Transfers to Waste Broker - Disposal (M94, M91), and Unknown (M99) and, from Section 6.1, Transfers to POTWs (metals and metal category compounds only).

TRI On-site and Off-site Disposal or Other Releases, by Industry, 2003: The 10 Industries with Largest Total Off-site Disposal or Other Releases

SIC Code	Industry	Total On-site Disposal or Other Releases	Off-site Disposal or Other Releases																		
			Off-site Disposal to Class I Underground Injection Wells, RCRA Subtitle C Landfills, and Other Landfills				Other Off-site Disposal or Other Releases													Total Off-site Disposal or Other Releases	Total On-site and Off-site Disposal or Other Releases
			Class I Wells	RCRA Subtitle C Landfills	Other Landfills	Subtotal	Storage Only	Solidification/ Stabilization (Metals and Metal Category Compounds Only)	Wastewater Treatment (Excluding POTWs) (Metals and Metal Category Compounds Only)	Transfers to POTWs (Metals and Metal Category Compounds Only)	Class II-V Wells	RCRA Subtitle C Surface Impoundments	Other Surface Impoundments	Land Treatment	Other Land Disposal	Other Off-site Management	Transfers to Waste Broker for Disposal	Unknown	Subtotal		
		Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
33	Primary Metals	198,114,535	3,822,010	46,436,732	168,585,115	218,843,857	1,062,482	103,402,033	348,693	91,473	251	42,526	566,673	1,031,029	6,651,223	728,176	611,078	940,734	115,476,371	334,320,228	532,434,763
491/493	Electric Utilities	1,004,098,213	0	1,280,249	34,422,508	35,702,757	3,082,857	446,374	1,020	12,864	0	152,501	2,390,456	2,237,196	16,697,419	7,177,662	16,401,596	58,629	48,658,575	84,361,332	1,088,459,545
28	Chemicals	500,299,307	7,746,657	3,745,496	22,185,193	33,677,347	455,648	6,765,950	3,345,119	322,394	217,832	17,000	64,776	619,646	323,864	2,986,490	3,715,637	1,658,665	20,493,020	54,170,366	554,469,674
7389/4953	Hazardous Waste/Solvent Recovery	194,101,176	543,590	11,196,359	16,611,253	28,351,201	34,541	3,253,898	184,668	23,509	0	0	252	232,145	225,853	1,683,457	1,086,126	834,943	7,559,391	35,910,592	230,011,768
34	Fabricated Metals	38,796,244	3,724,373	1,165,265	6,573,529	11,463,166	187,276	5,631,784	822,014	138,181	16,001	1,833	14,070	216,098	954,871	329,042	1,333,342	344,691	9,989,203	21,452,370	60,248,614
37	Transportation Equip.	63,547,387	17,665	538,234	6,613,162	7,169,061	285,680	1,798,584	345,034	234,769	0	4,400	106,360	245,729	458,736	357,717	357,417	123,035	4,317,461	11,486,522	75,033,909
30	Plastics	65,827,018	0	804,113	6,642,669	7,446,783	15,575	188,949	26,610	35,839	13,970	78,023	53,992	95,849	1,114,086	164,557	289,040	114,781	2,191,272	9,638,055	75,465,073
20	Food	145,844,714	0	14,945	419,184	434,129	86,702	240	4,100	52,218	0	2,689	152,671	3,693,180	2,468,823	172,393	6,227	269,148	6,908,390	7,342,519	153,187,234
36	Electrical Equip.	13,833,997	22,622	787,178	2,095,182	2,904,982	97,271	1,720,178	96,394	110,776	0	0	105,992	67,674	437,298	459,603	894,647	182,037	4,171,870	7,076,852	20,910,849
32	Stone/Clay/Glass	45,773,404	66,718	734,150	2,095,824	2,896,692	120,018	1,586,493	5,671	61,859	0	72	277,111	265,199	492,498	28,721	148,346	144,072	3,130,060	6,026,752	51,800,156

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to *The Toxics Release Inventory (TRI) and Factors to Consider When*

Note: On-site Disposal or Other Releases include Underground Injection to Class I Wells (Section 5.4.1), RCRA Subtitle C Landfills (5.5.1A), Other Landfills (5.5.1B), Fugitive or Non-point Air Emissions (5.1), Stack or Point Source Air Emissions (5.2), Surface Water Discharges (5.3), Class II-V Wells (5.4.2), Land Treatment (5.5.2), RCRA Subtitle C Surface Impoundments (5.5.3A), Other Surface Impoundments (5.5.3B) and Other Land Disposal (5.5.4). Off-site Disposal or Other Releases include from Section 6.2 Underground Injection to Class I Wells (M81), RCRA Subtitle C Landfills (M65), Other Landfills (M64, M72), Storage Only (M10), Solidification/Stabilization - Metals and Metal Category Compounds only (M41 or M40), Wastewater Treatment (excluding POTWs) - Metals and Metal Category Compounds only (M62 or M61), RCRA Subtitle C Surface Impoundments (M66), Other Surface Impoundments (M67, M63), Land Treatment (M73), Other Land Disposal (M79), Underground Injection to Class II-V Wells (M82, M71), Other Off-site Management (M90), Transfers to Waste Broker - Disposal (M94, M91), and Unknown (M99) and, from Section 6.1, Transfers to POTWs (metals and metal category compounds only).

TRI On-site and Off-site Disposal or Other Releases, by State, 2003

State	On-site Disposal or Other Releases														Total Off-site Disposal or Other Releases	Total On-site and Off-site Disposal or Other Releases
	On-site Disposal to Class I Underground Injection Wells, RCRA Subtitle C Landfills, and Other Landfills				Other On-site Disposal or Other Releases									Total On-site Disposal or Other Releases		
	Class I Wells	RCRA Subtitle C Landfills	Other On-site Landfills	Subtotal	Fugitive Air Emissions	Point Source Air Emissions	Surface Water Discharges	Class II-V Wells	Land Treatment	RCRA Subtitle C Surface Impoundments	Other Surface Impoundments	Other Land Disposal	Subtotal			
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
Alabama	0	7,739,591	10,578,722	18,318,313	10,050,670	48,028,693	7,805,767	8,305	147,954	0	14,642,205	464,575	81,148,169	99,466,482	18,982,157	118,448,639
Alaska	0	0	310	310	395,715	1,689,402	541,992	21,374,380	0	0	270,833,014	244,609,756	539,444,259	539,444,569	199,327	539,643,896
American Samoa	0	0	0	0	8,460	6	0	0	0	0	0	0	8,466	8,466	0	8,466
Arizona	0	1	5,854,841	5,854,842	1,063,942	3,605,620	6,965	0	167,809	0	6,854,241	30,027,815	41,726,391	47,581,233	632,299	48,213,532
Arkansas	3,303,538	295,473	2,439,167	6,038,178	6,279,944	14,018,639	5,419,186	93,481	501,024	1	2,039,402	43,324	28,395,002	34,433,180	6,168,633	40,601,813
California	0	25,491,811	608,973	26,100,784	3,946,761	14,238,606	4,617,780	30,086	675,350	5,134	130,552	444,069	24,088,337	50,189,121	7,682,581	57,871,702
Colorado	0	97	6,086,523	6,086,620	753,351	2,204,320	2,955,073	0	341	0	2,726,225	3,317,078	11,956,389	18,043,008	4,474,503	22,517,511
Connecticut	0	0	393	393	855,300	2,154,851	722,325	0	0	0	78	778	3,733,332	3,733,725	1,650,391	5,384,116
Delaware	0	0	1,252,178	1,252,178	290,367	7,003,978	918,650	0	9	0	8,178	48	8,221,230	9,473,408	4,139,175	13,612,583
District of Columbia	0	0	0	0	3,338	1	8,062	0	0	0	2,082	0	13,482	13,482	306	13,788
Florida	20,875,927	84	10,441,600	31,317,611	5,640,681	71,659,217	2,507,602	154,144	2,067,467	405,334	9,159,351	123,809	91,717,605	123,035,216	3,417,197	126,452,413
Georgia	0	90	522,944	523,034	9,084,590	90,203,030	9,573,187	0	431,299	35,472	13,660,727	748,427	123,736,732	124,259,766	2,391,094	126,650,860
Guam	0	12	10	22	1,926	162,669	71,627	0	0	0	7	3	236,233	236,255	2,048	238,303
Hawaii	0	0	0	0	180,874	1,900,899	364,067	2,670	19,681	0	0	229,586	2,697,777	2,697,777	419,791	3,117,568
Idaho	0	30,517,289	42,662	30,559,951	995,037	3,038,312	4,642,166	0	669,554	2,239,333	6,571,414	12,027,196	30,183,012	60,742,962	584,846	61,327,809
Illinois	794	23,219,451	4,464,352	27,684,597	8,628,864	47,405,033	7,221,378	0	477,550	29,315	8,987,454	447,772	73,197,365	100,881,962	31,519,211	132,401,173
Indiana	1,075,521	8,094,913	17,522,055	26,692,489	8,722,806	64,952,587	23,296,297	0	1,850,171	1,500	8,571,928	777,844	108,173,133	134,865,622	99,900,349	234,765,971
Iowa	0	0	1,889,630	1,889,630	3,791,907	18,311,363	3,274,619	0	750	0	2,611,789	39,658	28,030,086	29,919,715	7,482,328	37,402,043
Kansas	470,746	33,000	3,535,497	4,039,243	2,641,059	10,557,093	4,021,144	500	419,554	0	3,795,286	127,585	21,562,221	25,601,464	3,262,448	28,863,912
Kentucky	0	0	15,143,069	15,143,069	6,024,718	51,653,886	2,986,815	2,971	333,583	334,515	5,381,917	921,961	67,640,366	82,783,436	7,798,069	90,581,505
Louisiana	35,904,030	7,050,318	7,348,228	50,302,576	12,230,196	42,697,721	11,303,522	0	46,587	289,599	4,062,499	148,267	70,778,392	121,080,968	5,764,045	126,845,013
Maine	0	0	838,723	838,723	686,531	3,611,216	3,334,311	0	0	0	0	9,557	7,641,615	8,480,338	824,733	9,305,071
Maryland	0	0	1,827,936	1,827,936	596,281	35,266,724	2,704,113	50,375	159,930	0	34,954	119,632	38,932,009	40,759,945	4,739,560	45,499,505
Massachusetts	0	0	41,739	41,739	741,565	5,297,813	68,806	0	39	0	80,638	670,421	6,859,282	6,901,021	2,112,307	9,013,328
Michigan	1,907,236	1,046,569	3,757,600	6,711,405	3,915,701	46,250,106	1,218,195	0	123,547	0	5,389,756	1,062,639	57,959,944	64,671,349	36,933,939	101,605,288
Minnesota	0	251	5,526,048	5,526,299	3,110,524	10,522,357	1,246,533	0	71,993	0	5,284,791	63,705	20,299,903	25,826,201	5,622,420	31,448,621
Mississippi	12,654,379	65	1,985,150	14,639,593	5,810,502	25,988,162	7,751,711	0	393,645	15,268	6,767,118	221,233	46,947,640	61,587,233	1,489,728	63,076,960
Missouri	0	199,911	2,187,364	2,387,276	2,811,105	24,870,136	2,620,282	0	12,617	544	40,355,980	21,326,736	91,997,402	94,384,677	8,114,819	102,499,496
Montana	0	81	22,971,757	22,971,839	597,835	3,486,141	49,172	209,716	933	0	10,445,012	6,475,019	21,263,828	44,235,667	970,916	45,206,583
Nebraska	0	0	7,740,974	7,740,974	886,910	5,985,779	18,177,388	0	678,512	1,000	755	277,302	26,007,647	33,748,621	17,722,548	51,471,169
Nevada	0	29,771,405	2,606,310	32,377,715	588,282	1,253,025	88,601	3	43	0	188,495,103	185,492,867	375,917,924	408,295,639	758,761	409,054,400
New Hampshire	0	0	0	0	157,081	5,217,148	86,194	0	0	0	22,805	165	5,483,393	5,483,393	460,749	5,944,142
New Jersey	0	104,607	33,841	138,448	1,840,951	10,484,189	4,148,642	5	6,583	0	6,551	188,018	16,674,938	16,813,386	6,310,629	23,124,015
New Mexico	18,605	0	5,296,008	5,314,613	300,082	647,660	62,237	0	326,660	0	1,270,605	9,831,265	12,438,509	17,753,122	146,129	17,899,251
New York	0	2,919,297	1,137,787	4,057,084	2,855,774	24,254,524	7,937,611	0	23,565	0	257	398,503	35,470,235	39,527,319	4,499,897	44,027,216
North Carolina	0	2,023	3,265,168	3,267,191	6,936,819	93,358,632	8,592,474	0	245,329	0	6,096,625	609,420	115,839,298	119,106,489	10,039,033	129,145,522
North Dakota	0	0	2,263,167	2,263,167	251,193	4,621,269	248,831	0	17,123	0	7,020,805	2,975	12,162,196	14,425,362	9,213,436	23,638,798
Northern Marianas	0	0	0	0	324	5,701	0	0	0	0	2	0	6,027	6,027	0	6,027
Ohio	29,289,527	7,261,217	16,604,064	53,154,807	9,765,195	123,297,398	6,716,124	0	499,432	307,465	12,485,002	178,440	153,249,057	206,403,864	45,193,295	251,597,159
Oklahoma	1,307,526	1,757,603	1,814,396	4,879,525	2,467,942	13,460,673	3,451,751	0	13,387	1	547,749	524,632	20,466,134	25,345,659	4,622,081	29,967,740
Oregon	0	13,208,609	11,729,305	24,937,914	2,538,300	10,784,137	2,452,054	0	187,648	12,337	503	2,350	15,977,329	40,915,243	1,213,679	42,128,922
Pennsylvania	0	11,433	5,711,204	5,722,637	5,871,513	85,113,791	9,684,378	0	12,327	1,790,272	309,090	5,508,710	108,290,080	114,012,717	52,905,725	166,918,443
Puerto Rico	0	13,533	250	13,783	942,381	7,081,569	24,365	0	0	0	0	3,500	8,051,815	8,065,598	734,652	8,800,250
Rhode Island	0	250	0	250	236,638	390,168	6,947	0	0	0	0	0	633,753	634,003	258,275	892,279
South Carolina	0	62,318	2,387,601	2,449,919	6,720,209	45,438,879	3,473,022	0	37,514	85	2,944,266	327,757	58,941,732	61,391,651	22,316,357	83,708,008
South Dakota	0	0	5,533,657	5,533,657	656,431	807,101	3,199,143	101	665	0	23,556	5,350	4,692,347	10,226,004	94,109	10,320,113
Tennessee	0	54,792	18,926,296	18,981,088	11,030,628	77,689,173	2,410,104	0	26,760	0	22,765,611	2,457,322	116,379,598	135,360,685	7,178,908	142,539,594
Texas	85,633,991	3,619,830	24,058,727	113,312,547	35,163,397	56,502,383	21,670,263	42,000	3,090,383	11	3,684,426	1,953,398	122,106,261	235,418,808	26,485,939	261,904,747
Utah	0	7,672,552	12,978,810	20,651,362	1,857,825	7,268,894	56,978	0	292,689	0	130,057,726	78,732,740	218,266,853	238,918,214	3,077,073	241,995,287
Vermont	0	0	4	4	19,824	45,025	136,856	0	0	0	7	5	201,716	201,721	144,981	346,702
Virgin Islands	0	0	0	0	124,893	831,616	355,871	0	597	0	10,124	0	1,323,101	1,323,101	7,916	1,331,017
Virginia	0	344	3,317,037	3,317,381	5,233,866	45,714,310	8,198,926	0	203,048	0	1,887,312	244,389	61,481,850	64,799,231	9,431,206	74,230,438
Washington	0	633,020	191,652	824,673	1,560,909	11,772,038	1,397,187	0	29,989	0	5,035,903	517,707	20,313,733	21,138,405	1,741,529	22,879,934
West Virginia	10	7,844	7,700,777	7,708,631	3,840,246	75,083,656	4,194,526	87	597,291	21,088	4,937,887	342,718	89,017,499	96,726,130	5,443,463	102,169,593
Wisconsin	0	1,677	655,225	656,902	2,873,281	21,768,989	4,595,302	0	812,747	49,651	21,242	302,494	30,423,707	31,080,609	19,717,618	50,798,227
Wyoming	7,960,400	2,909	7,064,110	15,027,419	513,877	1,638,924	10,990	0	1,564	4,341	1,019,873	12,290	3,201,858	18,229,277	1,034,080	19,263,357
Total	**200,402,228**	**170,794,270**	**267,883,840**	**639,080,339**	**205,095,324**	**1,381,295,231**	**222,628,110**	**21,968,824**	**15,675,243**	**5,542,266**	**817,040,382**	**612,362,811**	**3,281,608,191**	**3,920,688,530**	**518,031,287**	**4,438,719,817**

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to *The Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data* document at **www.epa.gov/tri/tridata.**

Note: On-site Disposal or Other Releases include Underground Injection to Class I Wells (Section 5.4.1), RCRA Subtitle C Landfills (5.5.1A), Other Landfills (5.5.1B), Fugitive or Non-point Air Emissions (5.1), Stack or Point Source Air Emissions (5.2), Surface Water Discharges (5.3), Class II-V Wells (5.4.2), Land Treatment (5.5.2), RCRA Subtitle C Surface Impoundments (5.5.3A), Other Surface Impoundments (5.5.3B) and Other Land Disposal (5.5.4). Off-site Disposal or Other Releases include from Section 6.2 Underground Injection to Class I Wells (M81), RCRA Subtitle C Landfiills (M65), Other Landfills (M64, M72), Storage Only (M10), Solidification/Stabilization - Metals and Metal Category Compounds only (M41 or M40), Wastewater Treatment (excluding POTWs) - Metals and Metal Category Compounds only (M62 or M61), RCRA Subtitle C Surface Impoundments (M66), Other Surface Impoundments (M67, M63), Land Treatment (M73), Other Land Disposal (M79), Underground Injection to Class II-V Wells (M82, M71), Other Off-site Management (M90), Transfers to Waste Broker - Disposal (M94, M91), and Unknown (M99) and, from Section 6.1, Transfers to POTWs (metals and metal category compounds only).

Does not include Off-site Disposal or Other Releases transferred to other TRI facilities that reported the amounts as on-site disposal or other releases.

The 10 Counties with Largest TRI On-site and Off-site Disposal or Other Releases, 2003

					On-site Disposal or Other Releases													
					On-site Disposal to Class I Underground Injection Wells, RCRA Subtitle C Landfills, and Other Landfills				Other On-site Disposal or Other Releases									
County	State	Total Facilities Number	Total Forms Number	Form As Number	Class I Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Landfills Pounds	Subtotal Pounds	Fugitive Air Emissions Pounds	Point Source Air Emissions Pounds	Surface Water Discharges Pounds	Class II-V Wells Pounds	Land Treatment Pounds	RCRA Subtitle C Surface Impoundments Pounds	Other Surface Impoundments Pounds	Other Land Disposal Pounds	Subtotal Pounds	Total On-site Disposal or Other Releases Pounds
Northwest Arctic	AK	2	17	1	0	0	0	0	42,634	3,879	843	0	0	0	266,179,157	221,143,423	487,369,936	487,369,936
Humboldt	NV	7	66	0	0	0	278,326	278,326	140,981	288,419	88,585	0	0	0	68,175,190	160,094,811	228,787,985	229,066,312
Salt Lake	UT	66	226	16	0	192,938	536	193,474	314,989	560,266	56,516	0	25,974	0	128,097,856	78,341,122	207,396,724	207,590,197
Elko	NV	4	57	0	0	0	5,285	5,285	30,128	26,091	10	3	43	0	92,808,765	12,798,000	105,663,040	105,668,325
Juneau	AK	1	10	2	0	0	0	0	697	22,400	562	21,374,365	0	0	0	22,457,048	43,855,072	43,855,072
Harris	TX	331	2,259	261	12,255,135	282,174	60	12,537,369	9,555,875	9,521,951	3,604,347	0	50,355	0	20,729	156,567	22,909,823	35,447,192
Montgomery	IN	10	38	1	0	0	0	0	69,070	130,925	1,956	0	0	0	0	0	201,951	201,951
Brazoria	TX	34	354	9	25,238,706	318,169	104,675	25,661,550	1,549,901	3,711,580	8,169,121	0	3	0	19,499	0	13,450,104	39,111,653
Wayne	MI	149	883	80	0	1,022,070	0	1,022,070	823,770	6,837,450	490,900	0	0	0	20,353	206	8,172,679	9,194,749
Humphreys	TN	8	65	3	0	0	13,479,752	13,479,752	1,008,820	18,476,873	518,919	0	0	0	1,844,010	26	21,848,649	35,328,400

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For mor
Note: On-site Disposal or Other Releases include Underground Injection to Class I Wells (Section 5.4.1), RCRA Subtitle C Landfills (5.5.1A), Other Landfills (5.5.1B), Fugitive or Non-point Air Emissions (5.1), Stack or Point Source Air Emissions (5.2), Surface Water Discharges (5.3), Class II-V Wells (5.4.2), Land Treatment (5.5.2), RCRA Subtitle C Surface Impoundments (5.5.3A), Other Surface Impoundments (5.5.3B) and Other Land Disposal (5.5.4). Off-site Disposal or Other Releases include from Section 6.2 Underground Injection to Class I Wells (M81), RCRA Subtitle C Landfills (M65), Other Landfills (M64, M72), Storage Only (M10), Solidification/Stabilization - Metals and Metal Category Compounds only (M41 or M40), Wastewater Treatment (excluding POTWs) - Metals and Metal Category Compounds only (M62 or M61), RCRA Subtitle C Surface Impoundments (M66), Other Surface Impoundments (M67, M63), Land Treatment (M73), Other Land Disposal (M79), Underground Injection to Class II-V Wells (M82, M71), Other Off-site Management (M90), Transfers to Waste Broker - Disposal (M94, M91), and Unknown (M99) and, from Section 6.1, Transfers to POTWs (metals and metal category compounds only).

The 10 Counties with Largest TRI On-site and Off-site Disposal or Other Releases, 2003

		Off-site Disposal or Other Releases																	
		Off-site Disposal to Class I Underground Injection Wells, RCRA Subtitle C Landfills, and Other Landfills				Other Off-site Disposal or Other Releases													
County	State	Class I Wells	RCRA Subtitle C Landfills	Other Landfills	Subtotal	Storage Only	Solidification/ Stabilization (Metals and Metal Category Compounds Only)	Wastewater Treatment (Excluding POTWs) (Metals and Metal Category Compounds Only)	Transfers to POTWs (Metals and Metal Category Compounds Only)	Class II-V Wells	RCRA Subtitle C Surface Impoundments	Other Surface Impoundments	Land Treatment	Other Land Disposal	Other Off-site Management	Transfers to Waste Broker for Disposal	Unknown	Subtotal	Total Off-site Disposal or Other Releases	Total On-site and Off-site Disposal or Other Releases
		Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
Northwest Arctic	AK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	487,369,936
Humboldt	NV	0	62	0	62	0	0	0	2	0	0	0	0	0	0	25	0	27	89	229,066,400
Salt Lake	UT	0	40,467	6,339	46,805	0	200,381	0	523	0	0	0	9	437	0	262	255	201,868	248,673	207,838,870
Elko	NV	0	0	0	0	0	0	0	0	0	0	0	2,649	0	0	0	0	2,649	2,649	105,670,974
Juneau	AK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	43,855,072
Harris	TX	2,348,907	471,948	3,133,480	5,954,334	129,242	429,742	26,943	6,769	0	0	2,189	0	90,762	302,415	139,273	184,364	1,311,699	7,266,033	42,713,225
Montgomery	IN	0	49	35,094,307	35,094,356	0	6,595,772	18,579	45	0	0	87,783	0	0	3,157	172	0	6,705,508	41,799,864	42,001,815
Brazoria	TX	0	803	121,266	122,069	387	43,858	0	32	0	0	0	10	0	235	2,990	0	47,512	169,582	39,281,235
Wayne	MI	108,117	312,675	27,581,595	28,002,387	0	660,981	52,609	41,773	0	0	0	351	54,283	55,393	276,931	365	1,142,686	29,145,073	38,339,821
Humphreys	TN	0	265	0	265	17	0	0	0	0	0	0	0	19,124	0	47,106	22	66,268	66,533	35,394,933

Note: This information doNote: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For mor
Note: On-site Disposal or Note: On-site Disposal or Other Releases include Underground Injection to Class I Wells (Section 5.4.1), RCRA Subtitle C Landfills (5.5.1A), Other Landfills (5.5.1B), Fugitive or Non-point Air Emissions (5.1), Stack or Point Source Air Emissions (5.2), Surface Water Discharges (5.3), Class II-V Wells (5.4.2), Land Treatment (5(5.4.2), Land Treatment (5.5.2), RCRA Subtitle C Surface Impoundments (5.5.3A), Other Surface Impoundments (5.5.3B) and Other Land Disposal (5.5.4). Off-site Disposal or Other Releases include from Section 6.2 Underground Injection to Class I Wells (M81), RCRA Subtitle C Landfills (M65), Other Landfills (M64, M72Other Landfills (M64, M72), Storage Only (M10), Solidification/Stabilization - Metals and Metal Category Compounds only (M41 or M40), Wastewater Treatment (excluding POTWs) - Metals and Metal Category Compounds only (M62 or M61), RCRA Subtitle C Surface Impoundments (M66), Other Surface Impoundments (MSurface Impoundments (M67, M63), Land Treatment (M73), Other Land Disposal (M79), Underground Injection to Class II-V Wells (M82, M71), Other Off-site Management (M90), Transfers to Waste Broker - Disposal (M94, M91), and Unknown (M99) and, from Section 6.1, Transfers to POTWs (metals and metal catego(metals and metal category compounds only).

The 10 Counties with Largest TRI On-site and Off-site Disposal or Other Releases, not including Class I Underground Injection Wells, RCRA Subtitle C Landfills and Other Landfills, 2003

					On-site Disposal or Other Releases													
					On-site Disposal to Class I Underground Injection Wells, RCRA Subtitle C Landfills, and Other Landfills				Other On-site Disposal or Other Releases								
County	State	Total Facilities Number	Total Forms Number	Form As Number	Class I Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Landfills Pounds	Subtotal Pounds	Fugitive Air Emissions Pounds	Point Source Air Emissions Pounds	Surface Water Discharges Pounds	Class II-V Wells Pounds	Land Treatment Pounds	RCRA Subtitle C Surface Impoundments Pounds	Other Surface Impoundments Pounds	Other Land Disposal Pounds	Subtotal Pounds	Total On-site Disposal or Other Releases Pounds
Northwest Arctic	AK	2	17	1	0	0	0	0	42,634	3,879	843	0	0	0	266,179,157	221,143,423	487,369,936	487,369,936
Humboldt	NV	7	66	0	0	0	278,326	278,326	140,981	288,419	88,585	0	0	0	68,175,190	160,094,811	228,787,985	229,066,312
Salt Lake	UT	66	226	16	0	192,938	536	193,474	314,989	560,266	56,516	0	25,974	0	128,097,856	78,341,122	207,396,724	207,590,197
Elko	NV	4	57	0	0	0	5,285	5,285	30,128	26,091	10	3	43	0	92,808,765	12,798,000	105,663,040	105,668,325
Juneau	AK	1	10	2	0	0	0	0	697	22,400	562	21,374,365	0	0	0	22,457,048	43,855,072	43,855,072
Eureka	NV	3	30	1	0	0	1,520	1,520	42,256	1,983	0	0	0	0	26,485,400	2,921,000	29,450,639	29,452,159
Jefferson	OH	7	64	1	0	0	0	0	45,232	24,374,242	69,910	0	181,535	0	1,556,427	50	26,227,395	26,227,395
Gila	AZ	5	41	2	0	0	0	0	245,973	676,111	0	0	0	0	0	25,101,188	26,023,272	26,023,272
Reynolds	MO	4	13	0	0	0	0	0	92,373	1,900	7,529	0	0	0	20,954,831	4,941,540	25,998,172	25,998,172
Harris	TX	331	2,259	261	12,255,135	282,174	60	12,537,369	9,555,875	9,521,951	3,604,347	0	50,355	0	20,729	156,567	22,909,823	35,447,192

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For mor
Note: On-site Disposal or Other Releases include Underground Injection to Class I Wells (Section 5.4.1), RCRA Subtitle C Landfills (5.5.1A), Other Landfills (5.5.1B), Fugitive or Non-point Air Emissions (5.1), Stack or Point Source Air Emissions (5.2), Surface Water Discharges (5.3), Class II-V Wells (5.4.2), Land Treatment (5.5.2), RCRA Subtitle C Surface Impoundments (5.5.3A), Other Surface Impoundments (5.5.3B) and Other Land Disposal (5.5.4). Off-site Disposal or Other Releases include from Section 6.2 Underground Injection to Class I Wells (M81), RCRA Subtitle C Landfills (M65), Other Landfills (M64, M72), Storage Only (M10), Solidification/Stabilization - Metals and Metal Category Compounds only (M41 or M40), Wastewater Treatment (excluding POTWs) - Metals and Metal Category Compounds only (M62 or M61), RCRA Subtitle C Surface Impoundments (M66), Other Surface Impoundments (M67, M63), Land Treatment (M73), Other Land Disposal (M79), Underground Injection to Class II-V Wells (M82, M71), Other Off-site Management (M90), Transfers to Waste Broker - Disposal (M94, M91), and Unknown (M99) and, from Section 6.1, Transfers to POTWs (metals and metal category compounds only).

The 10 Counties with Largest TRI On-site and Off-site Disposal or Other Releases, not including Class I Underground Injection Wells, RCRA Subtitle C Landfills and Other Landfills, 2003

		Off-site Disposal or Other Releases																		
		Off-site Disposal to Class I Underground Injection Wells, RCRA Subtitle C Landfills, and Other Landfills				Other Off-site Disposal or Other Releases														
County	State	Class I Wells Pounds	RCRA Subtitle C Landfills Pounds	Other Landfills Pounds	Subtotal Pounds	Storage Only Pounds	Solidification/ Stabilization (Metals and Metal Category Compounds Only) Pounds	Wastewater Treatment (Excluding POTWs) (Metals and Metal Category Compounds Only) Pounds	Transfers to POTWs (Metals and Metal Category Compounds Only) Pounds	Class II-V Wells Pounds	RCRA Subtitle C Surface Impoundments Pounds	Other Surface Impoundments Pounds	Land Treatment Pounds	Other Land Disposal Pounds	Other Off-site Management Pounds	Transfers to Waste Broker for Disposal Pounds	Unknown Pounds	Subtotal Pounds	Total Off-site Disposal or Other Releases Pounds	Total On-site and Off-site Disposal or Other Releases Pounds	Total On-site Disposal or Other Releases not including Class I Underground Injection Wells, RCRA Subtitle C Landfills and Other Landfills Pounds
Northwest Arctic	AK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	487,369,936	487,369,936
Humboldt	NV	0	62	0	62	0	0	0	2	0	0	0	0	0	0	25	0	27	89	229,066,400	228,788,012
Salt Lake	UT	0	40,467	6,339	46,805	0	200,381	0	523	0	0	0	9	437	0	262	255	201,868	248,673	207,838,870	207,598,592
Elko	NV	0	0	0	0	0	0	0	0	0	0	0	2,649	0	0	0	0	2,649	2,649	105,670,974	105,665,689
Juneau	AK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	43,855,072	43,855,072
Eureka	NV	0	5,359	0	5,359	0	0	0	0	0	0	0	0	0	0	0	0	0	5,359	29,457,518	29,450,639
Jefferson	OH	0	3,771,584	2,668,576	6,440,160	0	14,341	0	0	0	0	0	0	0	690	210	0	15,241	6,455,401	32,682,797	26,242,636
Gila	AZ	0	2,849	0	2,849	0	0	0	10	0	0	0	0	0	0	196	0	206	3,055	26,026,327	26,023,478
Reynolds	MO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25,998,172	25,998,172
Harris	TX	2,348,907	471,948	3,133,480	5,954,334	129,242	429,742	26,943	6,769	0	0	2,189	0	90,762	302,415	139,273	184,364	1,311,699	7,266,033	42,713,225	24,221,522

Note: This information do Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For mor
Note: On-site Disposal or Note: On-site Disposal or Other Releases include Underground Injection to Class I Wells (Section 5.4.1), RCRA Subtitle C Landfills (5.5.1A), Other Landfills (5.5.1B), Fugitive or Non-point Air Emissions (5.1), Stack or Point Source Air Emissions (5.2), Surface Water Discharges (5.3), Class II-V Wells (5.4.2), Land (5.4.2), Land Treatment (! Treatment (5.5.2), RCRA Subtitle C Surface Impoundments (5.5.3A), Other Surface Impoundments (5.5.3B) and Other Land Disposal (5.5.4). Off-site Disposal or Other Releases include from Section 6.2 Underground Injection to Class I Wells (M81), RCRA Subtitle C Landfills (M65), Other Landfills (M64, M72), Other Landfills (M64, M7 Storage Only (M10), Solidification/Stabilization - Metals and Metal Category Compounds only (M41 or M40), Wastewater Treatment (excluding POTWs) - Metals and Metal Category Compounds only (M62 or M61), RCRA Subtitle C Surface Impoundments (M66), Other Surface Impoundments (M67, M63), Land Surface Impoundments (M Treatment (M73), Other Land Disposal (M79), Underground Injection to Class II-V Wells (M82, M71), Other Off-site Management (M90), Transfers to Waste Broker - Disposal (M94, M91), and Unknown (M99) and, from Section 6.1, Transfers to POTWs (metals and metal category compounds only). (metals and metal catego

The 10 Counties with Largest Total On-site Disposal or Other Releases, 2003

			On-site Disposal or Other Releases																
			On-site Disposal to Class I Underground Injection Wells, RCRA Subtitle C Landfills, and Other Landfills				Other On-site Disposal or Other Releases									Total On-site Disposal or Other Releases	Total Off-site Disposal or Other Releases	Total On-site and Off-site Disposal or Other Releases
County	State	Total Facilities Number	Class I Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Landfills Pounds	Subtotal Pounds	Fugitive Air Emissions Pounds	Point Source Air Emissions Pounds	Surface Water Discharges Pounds	Class II-V Wells Pounds	Land Treatment Pounds	RCRA Subtitle C Surface Impoundments Pounds	Other Surface Impoundments Pounds	Other Land Disposal Pounds	Subtotal Pounds			
Northwest Arctic	AK	2	0	0	0	0	42,634	3,879	843	0	0	0	266,179,157	221,143,423	487,369,936	487,369,936	0	487,369,936
Humboldt	NV	7	0	0	278,326	278,326	140,981	288,419	88,585	0	0	0	68,175,190	160,094,811	228,787,985	229,066,312	89	229,066,400
Salt Lake	UT	66	0	192,938	536	193,474	314,989	560,266	56,516	0	25,974	0	128,097,856	78,341,122	207,396,724	207,590,197	248,673	207,838,870
Elko	NV	4	0	0	5,285	5,285	30,128	26,091	10	3	43	0	92,808,765	12,798,000	105,663,040	105,668,325	2,649	105,670,974
Juneau	AK	1	0	0	0	0	697	22,400	562	21,374,365	0	0	0	22,457,048	43,855,072	43,855,072	0	43,855,072
Brazoria	TX	34	25,238,706	318,169	104,675	25,661,550	1,549,901	3,711,580	8,169,121	0	3	0	19,499	0	13,450,104	39,111,653	169,582	39,281,235
Harris	TX	331	12,255,135	282,174	60	12,537,369	9,555,875	9,521,951	3,604,347	0	50,355	0	20,729	156,567	22,909,823	35,447,192	7,266,033	42,713,225
Humphreys	TN	8	0	0	13,479,752	13,479,752	1,008,820	18,476,873	518,919	0	0	0	1,844,010	26	21,848,649	35,328,400	66,533	35,394,933
Escambia	FL	17	20,855,190	0	804,084	21,659,274	963,479	8,258,559	206,879	0	6,283	0	0	4,391	9,439,591	31,098,865	167,645	31,266,511
Nye	NV	5	0	29,771,405	12,400	29,783,805	18,296	155	0	0	0	0	317,092	610,748	946,291	30,730,096	126,979	30,857,075

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to *The Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data* document at **www.epa.gov/tri/tridata.**

Note: On-site Disposal or Other Releases include Underground Injection to Class I Wells (Section 5.4.1), RCRA Subtitle C Landfills (5.5.1A), Other Landfills (5.5.1B), Fugitive or Non-point Air Emissions (5.1), Stack or Point Source Air Emissions (5.2), Surface Water Discharges (5.3), Class II-V Wells (5.4.2), Land Treatment (5.5.2), RCRA Subtitle C Surface Impoundments (5.5.3A), Other Surface Impoundments (5.5.3B) and Other Land Disposal (5.5.4). Off-site Disposal or Other Releases include from Section 6.2 Underground Injection to Class I Wells (M81), RCRA Subtitle C Landfills (M65), Other Landfills (M64, M72), Storage Only (M10), Solidification/Stabilization - Metals and Metal Category Compounds only (M41 or M40), Wastewater Treatment (excluding POTWs) - Metals and Metal Category Compounds only (M62 or M61), RCRA Subtitle C Surface Impoundments (M66), Other Surface Impoundments (M67, M63), Land Treatment (M73), Other Land Disposal (M79), Underground Injection to Class II-V Wells (M82, M71), Other Off-site Management (M90), Transfers to Waste Broker - Disposal (M94, M91), and Unknown (M99) and, from Section 6.1, Transfers to POTWs (metals and metal category compounds only).

The 50 Facilities with Largest TRI On- and Off-site Disposal or Other Releases, 2003

					On-site Disposal or Other Releases												
					On-site Disposal to Class I Underground Injection Wells, RCRA Subtitle C Landfills, and Other Landfills				Other On-site Disposal or Other Releases								
Facility	City	State	SIC Code	Total Forms Number	Class I Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Landfills Pounds	Subtotal Pounds	Fugitive Air Emissions Pounds	Point Source Air Emissions Pounds	Surface Water Discharges Pounds	Class II-V Wells Pounds	Land Treatment Pounds	RCRA Subtitle C Surface Impoundments Pounds	Other Surface Impoundments Pounds	Other Land Disposal Pounds	Subtotal Pounds
Red Dog Operations	Kotzebue	AK	10	12	0	0	0	0	41,174	2,089	820	0	0	0	266,179,157	221,143,423	487,366,663
Newmont Mining Corp Twin Creeks Mine	Golconda	NV	10	22	0	0	11,285	11,285	76,765	69,492	128	0	0	0	43,464,020	157,301,990	200,912,395
Kennecott Utah Copper Mine Concentrators & Power Plant	Copperton	UT	10	21	0	0	0	0	13,615	7,126	10,102	0	12,987	0	102,586,690	78,315,691	180,946,212
Barrick Goldstrike Mines Inc	Elko	NV	10	26	0	0	5,035	5,035	26,060	24,890	0	0	43	0	88,795,739	12,775,799	101,622,530
Kennecott Greens Creek Mining Co	Juneau	AK	10	10	0	0	0	0	697	22,400	562	21,374,365	0	0	0	22,457,048	43,855,072
Nucor Steel	Crawfordsville	IN	33	11	0	0	0	0	13,612	28,577	1,834	0	0	0	0	0	44,023
US Ecology Idaho Inc	Grand View	ID	7389/4953	23	0	30,517,289	0	30,517,289	141	4,848	0	0	0	7	0	0	4,996
US Ecology Nevada Inc	Beatty	NV	7389/4953	27	0	29,771,405	0	29,771,405	269	144	0	0	0	0	0	0	413
Newmont Mining Corp Carlin South Area	Carlin	NV	10	22	0	0	1,513	1,513	37,926	1,980	0	0	0	0	26,485,400	2,850,000	29,375,306
Newmont Mining Corp Lone Tree Mine	Valmy	NV	10	21	0	0	4,404	4,404	43,366	13,238	88,457	0	0	0	24,685,015	1,037,787	25,867,863
Kennecott Utah Copper Smelter & Refinery	Magna	UT	33	22	0	0	280	280	18,275	125,465	8,655	0	12,987	0	25,507,220	3,112	25,675,714
Chemical Waste Management of the Northwest Inc	Arlington	OR	7389/4953	39	0	13,207,404	11,342,959	24,550,362	144	40	0	0	0	12,337	0	0	12,521
Horsehead Corp - Monaca Smelter	Monaca	PA	33	14	0	0	0	0	515	939,529	1,363	0	0	0	0	0	941,407
Chemical Waste Management Inc	Kettleman City	CA	7389/4953	28	0	22,258,560	6,231	22,264,792	5,693	468	0	0	0	287	0	0	6,447
Peoria Disposal Co #1	Peoria	IL	7389/4953	8	0	22,056,023	0	22,056,023	3	1,533	0	0	0	0	0	0	1,536
Steel Dynamics Inc	Butler	IN	33	17	0	0	0	0	529,443	32,433	2	0	0	0	0	0	561,878
Montana Tunnels Mining Inc	Jefferson City	MT	10	9	0	0	12,013,755	12,013,755	50,116	2	0	0	0	0	9,684,930	0	9,735,048
Nucor Steel-Berkeley	Huger	SC	33	10	0	0	0	0	25,758	35,346	98	0	0	0	0	0	61,202
Solutia - Chocolate Bayou	Alvin	TX	28	29	19,957,508	190,548	0	20,148,056	46,339	1,031,462	3,900	0	0	0	0	0	1,081,701
Solutia Inc.	Cantonment	FL	28	25	20,780,590	0	0	20,780,590	11,218	190,683	2,216	0	0	0	0	0	204,117
USS Gary Works	Gary	IN	33	47	0	7,855,773	8,280,175	16,135,948	318,318	552,476	3,565,450	0	0	0	0	0	4,436,244
Bowen Steam Electric Generating Plant	Cartersville	GA	491/493	18	0	0	0	0	4,650	18,479,289	14,125	0	0	0	1,286,060	0	19,784,124
American Electric Power Amos Plant	Winfield	WV	491/493	20	0	0	0	0	1,040	16,872,096	19,317	0	19,158	0	1,075,141	55	17,986,807
AK Steel Corp (Rockport Works)	Rockport	IN	33	9	0	0	0	0	0	14,881	17,663,511	0	0	0	0	0	17,678,392
W. H. Sammis Plant	Stratton	OH	491/493	19	0	0	0	0	2,026	14,922,593	2,274	0	0	0	0	0	14,926,892
Liberty Fibers Corp	Lowland	TN	28	14	0	0	360,243	360,243	995,082	15,802,529	16,372	0	0	0	0	0	16,813,983
Reliant Energy Keystone Power Plant	Shelocta	PA	491/493	16	0	0	741,662	741,662	1,045	16,272,831	19,428	0	0	0	0	0	16,293,305
U.S. TVA Johnsonville Fossil Plant	New Johnsonville	TN	491/493	19	0	0	0	0	2,299	15,119,207	31,600	0	0	0	1,844,010	26	16,997,142
BP Chemicals Inc	Lima	OH	28	35	16,740,235	0	0	16,740,235	13,781	139,235	0	0	0	0	0	0	153,016
Rouge Steel Co	Dearborn	MI	33	10	0	0	0	0	5,535	61,615	4,148	0	0	0	0	0	71,298
Zinifex Clarksville Inc	Clarksville	TN	10	9	0	0	0	0	327	142,104	93,176	0	0	0	16,128,128	0	16,363,735
Georgia Power Scherer Steam Electric Generating Plant	Juliette	GA	491/493	19	0	0	0	0	0	12,413,319	42,477	0	0	0	3,349,274	0	15,805,071
Buick Mine/Mill	Boss	MO	10	5	0	0	0	0	53,598	1,080	13,367	0	0	0	12,151,786	3,197,290	15,417,121
Du Pont Delisle Plant	Pass Christian	MS	28	25	12,654,379	0	616,018	13,270,397	42,250	2,049,507	869	0	0	0	0	0	2,092,625
Whelan Energy Center	Hastings	NE	491/493	5	0	0	0	0	4	56,059	0	0	0	0	0	0	56,063
Progress Energy Carolinas Inc Roxboro Steam Electric Plant	Semora	NC	491/493	22	0	0	1,706,030	1,706,030	671	12,281,054	5,948	0	0	0	199,174	0	12,486,847
J. M. Stuart Station	Manchester	OH	491/493	19	0	0	0	0	99	10,634,390	18,723	0	0	140,000	3,237,349	0	14,030,561
BP Amoco Chemical Green Lake Facility	Port Lavaca	TX	28	21	13,810,820	0	0	13,810,820	22,005	69,861	1,300	0	0	0	0	0	93,166
Marshall Steam Station	Terrell	NC	491/493	16	0	0	243,389	243,389	89	13,534,240	8,912	0	0	0	0	0	13,543,241
Phelps Dodge Miami Inc	Claypool	AZ	10	16	0	0	0	0	164,414	214,406	0	0	0	0	0	13,216,776	13,595,596
American Electric Power Mitchell Plant	Moundsville	WV	491/493	20	0	0	0	0	810	11,867,694	13,217	0	241,319	0	1,433,109	55	13,556,204
Progress Energy Crystal River Energy Complex	Crystal River	FL	491/493	20	0	0	374,050	374,050	72	13,021,012	11,200	0	0	0	1,047	0	13,033,330
Brandon Shores & Wagner Complex	Baltimore	MD	491/493	22	0	0	0	0	15	12,750,605	6,394	0	0	0	18,104	2,800	12,777,918
Vickery Environmental Inc.	Vickery	OH	7389/4953	21	12,543,230	0	0	12,543,230	0	0	0	0	0	0	0	0	0
Cinergy Gibson Generating Station	Princeton	IN	491/493	23	0	0	2,244,308	2,244,308	1,719	7,827,664	0	0	0	0	2,418,365	4	10,247,751
Brushy Creek Mine/Mill	Bunker	MO	10	4	0	0	0	0	37,630	0	4,384	0	0	0	10,468,316	1,959,324	12,469,654
Asarco Inc Ray Complex Hayden Smelter & Concentrator	Hayden	AZ	33	16	0	0	0	0	74,359	461,705	0	0	0	0	0	11,884,412	12,420,476
Du Pont Johnsonville Plant	New Johnsonville	TN	28	21	0	0	10,149,620	10,149,620	2,877	2,171,507	3,613	0	0	0	0	0	2,177,997
Dupont Beaumont Plant	Beaumont	TX	28	42	11,083,800	0	0	11,083,800	43,149	248,893	1,150	0	0	0	0	0	293,192
American Electric Power Cardinal Plant	Brilliant	OH	491/493	19	0	0	0	0	785	9,439,340	13,316	0	181,535	0	1,556,427	50	11,191,453

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to *The Toxics Release Inventory (TRI) and Factors to Co*
Using TRI Data document at **www.epa.gov/tri/tridata.**

Note: On-site Disposal or Other Releases include Underground Injection to Class I Wells (Section 5.4.1), RCRA Subtitle C Landfills (5.5.1A), Other Landfills (5.5.1B), Fugitive or Non-point Air Emissions (5.1), Stack or Point Source Air Emissions (5.2), Surface Water Discharges (5.3), Class II-V Wells (5.4.2), Land Treatment (5.5.2), RCRA Subtitle C Su
Impoundments (5.5.3A), Other Surface Impoundments (5.5.3B) and Other Land Disposal (5.5.4). Off-site Disposal or Other Releases include from Section 6.2 Underground Injection to Class I Wells (M81), RCRA Subtitle C Landfills (M65), Other Landfills (M64, M72), Storage Only (M10), Solidification/Stabilization - Metals and Metal Category Compou
M40), Wastewater Treatment (excluding POTWs) - Metals and Metal Category Compounds only (M62 or M61), RCRA Subtitle C Surface Impoundments (M66), Other Surface Impoundments (M67, M63), Land Treatment (M73), Other Land Disposal (M79), Underground Injection to Class II-V Wells (M82, M71), Other Off-site Management (M90), Trans
Broker - Disposal (M94, M91), and Unknown (M99) and, from Section 6.1, Transfers to POTWs (metals and metal category compounds only).

The 50 Facilities with Largest TRI On- and Off-site Disposal or Other Releases, 2003

Facility	Total On-site Disposal or Other Releases Pounds
Red Dog Operations	487,366,663
Newmont Mining Corp Twin Creeks Mine	200,923,680
Kennecott Utah Copper Mine Concentrators & Power Plant	180,946,212
Barrick Goldstrike Mines Inc	101,627,565
Kennecott Greens Creek Mining Co	43,855,072
Nucor Steel	44,023
US Ecology Idaho Inc	30,522,285
US Ecology Nevada Inc	29,771,818
Newmont Mining Corp Carlin South Area	29,376,819
Newmont Mining Corp Lone Tree Mine	25,872,267
Kennecott Utah Copper Smelter & Refinery	25,675,994
Chemical Waste Management of the Northwest Inc	24,562,883
Horsehead Corp - Monaca Smelter	941,407
Chemical Waste Management Inc	22,271,239
Peoria Disposal Co #1	22,057,559
Steel Dynamics Inc	561,878
Montana Tunnels Mining Inc	21,748,803
Nucor Steel-Berkeley	61,202
Solutia - Chocolate Bayou	21,229,757
Solutia Inc.	20,984,707
USS Gary Works	20,572,192
Bowen Steam Electric Generating Plant	19,784,124
American Electric Power Amos Plant	17,986,807
AK Steel Corp (Rockport Works)	17,678,392
W. H. Sammis Plant	14,926,892
Liberty Fibers Corp	17,174,226
Reliant Energy Keystone Power Plant	17,034,967
U.S. TVA Johnsonville Fossil Plant	16,997,142
BP Chemicals Inc	16,893,251
Rouge Steel Co	71,298
Zinifex Clarksville Inc	16,363,735
Georgia Power Scherer Steam Electric Generating Plant	15,805,071
Buick Mine/Mill	15,417,121
Du Pont Delisle Plant	15,363,023
Whelan Energy Center	56,063
Progress Energy Carolinas Inc Roxboro Steam Electric Plant	14,192,877
J. M. Stuart Station	14,030,561
BP Amoco Chemical Green Lake Facility	13,903,986
Marshall Steam Station	13,786,630
Phelps Dodge Miami Inc	13,595,596
American Electric Power Mitchell Plant	13,556,204
Progress Energy Crystal River Energy Complex	13,407,380
Brandon Shores & Wagner Complex	12,777,918
Vickery Environmental Inc.	12,543,230
Cinergy Gibson Generating Station	12,492,059
Brushy Creek Mine/Mill	12,469,654
Asarco Inc Ray Complex Hayden Smelter & Concentrator	12,420,476
Du Pont Johnsonville Plant	12,327,617
Dupont Beaumont Plant	11,376,992
American Electric Power Cardinal Plant	11,191,453

Note: This information does not indicate whether (or to what degree *nsider When Using TRI Data* document at **www.epa.gov/tri/tridata.**

Note: On-site Disposal or Other Releases include Underground Injurfa Impoundments (5.5.3A), Other Surface Impoundments (5.5.3B) and nds only (M41 M40), Wastewater Treatment (excluding POTWs) - Metals and Metafers to Wast Broker - Disposal (M94, M91), and Unknown (M99) and, from Sectic

The 50 Facilities with Largest TRI On- and Off-site Disposal or Other Releases, 2003

Facility	Off-site Disposal or Other Releases																	
	Off-site Disposal to Class I Underground Injection Wells, RCRA Subtitle C Landfills, and Other Landfills				Other Off-site Disposal or Other Releases													
	Class I Wells	RCRA Subtitle C Landfills	Other Landfills	Subtotal	Storage Only	Solidification/ Stabilization (Metals and Metal Category Compounds Only)	Wastewater Treatment (Excluding POTWs) (Metals and Metal Category Compounds Only)	Transfers to POTWs (Metals and Metal Category Compounds Only)	Class II-V Wells	RCRA Subtitle C Surface Impoundments	Other Surface Impoundments	Land Treatment	Other Land Disposal	Other Off-site Management	Transfers to Waste Broker for Disposal	Unknown	Subtotal	Total Off-site Disposal or Other Releases
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
Red Dog Operations	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Newmont Mining Corp Twin Creeks Mine	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kennecott Utah Copper Mine Concentrators & Power Plant	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	250	250	250
Barrick Goldstrike Mines Inc	0	0	0	0	0	0	0	0	0	0	0	2,649	0	0	0	0	2,649	2,649
Kennecott Greens Creek Mining Co	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nucor Steel	0	0	35,093,438	35,093,438	0	6,595,721	18,554	0	0	0	0	0	0	3,152	0	0	6,617,427	41,710,865
US Ecology Idaho Inc	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
US Ecology Nevada Inc	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Newmont Mining Corp Carlin South Area	0	5,359	0	5,359	0	0	0	0	0	0	0	0	0	0	0	0	0	5,359
Newmont Mining Corp Lone Tree Mine	0	62	0	62	0	0	0	0	0	0	0	0	0	0	0	0	0	62
Kennecott Utah Copper Smelter & Refinery	0	1	0	1	0	7,565	0	0	0	0	0	0	0	0	262	0	7,827	7,828
Chemical Waste Management of the Northwest Inc	0	0	0	0	3	0	0	0	0	0	0	0	0	3	0	0	5	5
Horsehead Corp - Monaca Smelter	0	0	21,360,046	21,360,046	0	133,680	0	0	0	0	0	0	0	0	0	0	133,680	21,493,726
Chemical Waste Management Inc	0	0	0	0	0	0	67	0	0	0	0	0	0	817	0	1	884	884
Peoria Disposal Co #1	0	0	0	0	0	0	0	9	0	0	0	0	0	3	0	0	12	12
Steel Dynamics Inc	72,919	3,053,704	0	3,126,623	0	18,238,003	0	53	0	0	0	0	0	83	0	0	18,238,139	21,364,762
Montana Tunnels Mining Inc	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nucor Steel-Berkeley	0	21,468,041	0	21,468,041	0	0	0	0	0	0	0	0	0	0	0	0	0	21,468,041
Solutia - Chocolate Bayou	0	167	0	167	0	0	0	0	0	0	0	0	0	0	0	0	0	167
Solutia Inc.	0	151	47	198	0	0	0	0	0	0	0	0	0	0	0	0	0	198
USS Gary Works	797	241,062	0	241,859	0	162,339	329	0	0	0	0	0	0	0	137	0	162,804	404,663
Bowen Steam Electric Generating Plant	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	6	6
American Electric Power Amos Plant	0	0	1,466,326	1,466,326	0	0	0	326	0	0	0	0	0	0	0	0	326	1,466,652
AK Steel Corp (Rockport Works)	0	0	634,750	634,750	0	0	0	0	0	0	0	0	0	0	0	0	0	634,750
W. H. Sammis Plant	0	0	2,607,547	2,607,547	0	0	0	0	0	0	0	0	0	0	0	0	0	2,607,547
Liberty Fibers Corp	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Reliant Energy Keystone Power Plant	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
U.S. TVA Johnsonville Fossil Plant	0	265	0	265	17	0	0	0	0	0	0	0	19,124	0	0	22	19,162	19,427
BP Chemicals Inc	0	860	510	1,370	0	1,327	0	0	0	0	0	0	0	0	0	0	1,327	2,697
Rouge Steel Co	0	77,646	16,710,104	16,787,750	0	25,168	197	0	0	0	0	0	0	0	0	0	25,365	16,813,115
Zinifex Clarksville Inc	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Georgia Power Scherer Steam Electric Generating Plant	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Buick Mine/Mill	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Du Pont Delisle Plant	0	0	28	28	0	0	0	0	0	0	0	0	0	0	0	0	0	28
Whelan Energy Center	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14,959,157	0	14,959,157	14,959,157
Progress Energy Carolinas Inc Roxboro Steam Electric Plant	0	2	0	2	0	0	0	0	0	0	0	0	0	40	24	0	64	66
J. M. Stuart Station	0	0	11	11	0	0	0	0	0	0	0	0	0	0	0	0	0	11
BP Amoco Chemical Green Lake Facility	0	0	0	0	0	6,770	0	0	0	0	0	0	0	0	0	0	6,770	6,770
Marshall Steam Station	0	0	0	0	0	0	0	0	0	0	0	0	0	0	170	0	170	170
Phelps Dodge Miami Inc	0	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0	196	196
American Electric Power Mitchell Plant	0	0	3,723	3,723	0	0	0	0	0	0	0	0	0	0	0	0	0	3,723
Progress Energy Crystal River Energy Complex	0	0	10	10	0	0	0	0	0	0	0	0	0	40	0	0	40	50
Brandon Shores & Wagner Complex	0	0	1,407	1,407	0	0	0	15	0	0	0	0	0	0	0	0	15	1,422
Vickery Environmental Inc.	0	47,801	0	47,801	0	0	0	0	0	0	0	0	0	89	0	0	89	47,890
Cinergy Gibson Generating Station	0	0	0	0	0	0	0	0	0	0	0	0	52,356	2	0	0	52,358	52,358
Brushy Creek Mine/Mill	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Asarco Inc Ray Complex Hayden Smelter & Concentrator	0	2,849	0	2,849	0	0	0	10	0	0	0	0	0	0	0	0	10	2,859
Du Pont Johnsonville Plant	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dupont Beaumont Plant	0	0	14,716	14,716	36	0	0	0	0	0	0	0	0	619	0	0	655	15,371
American Electric Power Cardinal Plant	0	0	12,724	12,724	0	0	0	0	0	0	0	0	0	0	0	0	0	12,724

Note: This information does not indicate whether (or to what degree the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subjec
Using TRI Data document at **www.epa.gov/tri/tridata.**

Note: On-site Disposal or Other Releases include Underground Inje

Note: On-site Disposal or Other Releases include Underground Injection to Class I Wells (Section 5.4.1), RCRA Subtitle C Landfills (5.5.1A), Other Landfills (5.5.1B), Fugitive or Non-point Air Emissions (5.1), Stack or Point Source Air Emissions (5.2), Surface Water Discharges (5.3), Class II-
Impoundments (5.5.3A), Other Surface Impoundments (5.5.3B) and

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject
Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data document at **www.epa.gov/tri/tridata.**

Land Treatment (5.5.2), RCRA Subtitle C Surface Impoundments (5.5.3A), Other Surface Impoundments (5.5.3B) and Other Land Disposal (5.5.4). Off-site Disposal or Other Releases include from Section 6.2 Underground Injection to Class I Wells (M81), RCRA Subtitle C Landfills (M65), O
M40), Wastewater Treatment (excluding POTWs) - Metals and Met

M72), Storage Only (M10), Solidification/Stabilization - Metals and Metal Category Compounds only (M41 or M40), Wastewater Treatment (excluding POTWs) - Metals and Metal Category Compounds only (M62 or M61), RCRA Subtitle C Surface Impoundments (M66), Other Surface Impoun
Broker - Disposal (M94, M91), and Unknown (M99) and, from Sectio

M63), Land Treatment (M73), Other Land Disposal (M79), Underground Injection to Class II-V Wells (M82, M71), Other Off-site Management (M90), Transfers to Waste Broker - Disposal (M94, M91), and Unknown (M99) and, from Section 6.1, Transfers to POTWs (metals and metal category only).

The 50 Facilities with Largest TRI On- and Off-site Disposal or Other Releases, 2003

Facility	Total On-site and Off-site Disposal or Other Releases
Red Dog Operations	487,366,663
Newmont Mining Corp Twin Creeks Mine	200,923,680
Kennecott Utah Copper Mine Concentrators & Power Plant	180,946,462
Barrick Goldstrike Mines Inc	101,630,215
Kennecott Greens Creek Mining Co	43,855,072
Nucor Steel	41,754,888
US Ecology Idaho Inc	30,522,285
US Ecology Nevada Inc	29,771,818
Newmont Mining Corp Carlin South Area	29,382,178
Newmont Mining Corp Lone Tree Mine	25,872,329
Kennecott Utah Copper Smelter & Refinery	25,683,822
Chemical Waste Management of the Northwest Inc	24,562,888
Horsehead Corp - Monaca Smelter	22,435,133
Chemical Waste Management Inc	22,272,123
Peoria Disposal Co #1	22,057,571
Steel Dynamics Inc	21,926,640
Montana Tunnels Mining Inc	21,748,803
Nucor Steel-Berkeley	21,529,243
Solutia - Chocolate Bayou	21,229,924
Solutia Inc.	20,984,905
USS Gary Works	20,976,855
Bowen Steam Electric Generating Plant	19,784,130
American Electric Power Amos Plant	19,453,459
AK Steel Corp (Rockport Works)	18,313,142
W. H. Sammis Plant	17,534,440
Liberty Fibers Corp	17,174,226
Reliant Energy Keystone Power Plant	17,034,967
U.S. TVA Johnsonville Fossil Plant	17,016,569
BP Chemicals Inc	16,895,948
Rouge Steel Co	16,884,413
Zinifex Clarksville Inc	16,363,735
Georgia Power Scherer Steam Electric Generating Plant	15,805,071
Buick Mine/Mill	15,417,121
Du Pont Delisle Plant	15,363,050
Whelan Energy Center	15,015,220
Progress Energy Carolinas Inc Roxboro Steam Electric Plant	14,192,943
J. M. Stuart Station	14,030,572
BP Amoco Chemical Green Lake Facility	13,910,756
Marshall Steam Station	13,786,800
Phelps Dodge Miami Inc	13,595,792
American Electric Power Mitchell Plant	13,559,927
Progress Energy Crystal River Energy Complex	13,407,431
Brandon Shores & Wagner Complex	12,779,340
Vickery Environmental Inc.	12,591,120
Cinergy Gibson Generating Station	12,544,417
Brushy Creek Mine/Mill	12,469,654
Asarco Inc Ray Complex Hayden Smelter & Concentrator	12,423,335
Du Pont Johnsonville Plant	12,327,617
Dupont Beaumont Plant	11,392,363
American Electric Power Cardinal Plant	11,204,177

Note: This information does not indicate whether (or to what degree t refer*The Using TRI Data* document at **www.epa.gov/tri/tridata.**

Note: On-site Disposal or Other Releases include Underground Inje V Wells (5.4. Impoundments (5.5.3A), Other Surface Impoundments (5.5.3B) and her Landfills (M6 M40), Wastewater Treatment (excluding POTWs) - Metals and Metal ments (M6 Broker - Disposal (M94, M91), and Unknown (M99) and, from Sectic compounds

The 50 Facilities with Largest Total Disposal or Other Releases, not including Class I Underground Injection Wells, RCRA Subtitle C Landfills and Other Landfills, 200

					On-site Disposal or Other Releases													
					On-site Disposal to Class I Underground Injection Wells, RCRA				Other On-site Disposal or Other Releases									
Facility	City	State	SIC Code	Total Forms Number	Class I Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Landfills Pounds	Subtotal Pounds	Fugitive Air Emissions Pounds	Point Source Air Emissions Pounds	Surface Water Discharges Pounds	Class II-V Wells Pounds	Land Treatment Pounds	RCRA Subtitle C Surface Impoundments Pounds	Other Surface Impoundments Pounds	Other Land Disposal Pounds	Subtotal Pounds	Total On-site Disposal or Other Releases Pounds
Red Dog Operations	Kotzebue	AK	10	12	0	0	0	0	41,174	2,089	820	0	0	0	266,179,157	221,143,423	487,366,663	487,366,663
Newmont Mining Corp Twin Creeks Mine	Golconda	NV	10	22	0	0	11,285	11,285	76,765	69,492	128	0	0	0	43,464,020	157,301,990	200,912,395	200,923,680
Kennecott Utah Copper Mine Concentrators & Power Plant	Copperton	UT	10	21	0	0	0	0	13,615	7,126	10,102	0	12,987	0	102,586,690	78,315,691	180,946,212	180,946,212
Barrick Goldstrike Mines Inc	Elko	NV	10	26	0	0	5,035	5,035	26,060	24,890	0	0	43	0	88,795,739	12,775,799	101,622,530	101,627,565
Kennecott Greens Creek Mining Co	Juneau	AK	10	10	0	0	0	0	697	22,400	562	21,374,365	0	0	0	22,457,048	43,855,072	43,855,072
Newmont Mining Corp Carlin South Area	Carlin	NV	10	22	0	0	1,513	1,513	37,926	1,980	0	0	0	0	26,485,400	2,850,000	29,375,306	29,376,819
Newmont Mining Corp Lone Tree Mine	Valmy	NV	10	21	0	0	4,404	4,404	43,366	13,238	88,457	0	0	0	24,685,015	1,037,787	25,867,863	25,872,267
Kennecott Utah Copper Smelter & Refinery	Magna	UT	33	22	0	0	280	280	18,275	125,465	8,655	0	12,987	0	25,507,220	3,112	25,675,714	25,675,994
Bowen Steam Electric Generating Plant	Cartersville	GA	491/493	18	0	0	0	0	4,650	18,479,289	14,125	0	0	0	1,286,060	0	19,784,124	19,784,124
Steel Dynamics Inc	Butler	IN	33	17	0	0	0	0	529,443	32,433	2	0	0	0	0	0	561,878	561,878
American Electric Power Amos Plant	Winfield	WV	491/493	20	0	0	0	0	1,040	16,872,096	19,317	0	19,158	0	1,075,141	55	17,986,807	17,986,807
AK Steel Corp (Rockport Works)	Rockport	IN	33	9	0	0	0	0	0	14,881	17,663,511	0	0	0	0	0	17,678,392	17,678,392
U.S. TVA Johnsonville Fossil Plant	New Johnsonville	TN	491/493	19	0	0	0	0	2,299	15,119,207	31,600	0	0	0	1,844,010	26	16,997,142	16,997,142
Liberty Fibers Corp	Lowland	TN	28	14	0	0	360,243	360,243	995,082	15,802,529	16,372	0	0	0	0	0	16,813,983	17,174,226
Zinifex Clarksville Inc	Clarksville	TN	10	9	0	0	0	0	327	142,104	93,176	0	0	0	16,128,128	0	16,363,735	16,363,735
Reliant Energy Keystone Power Plant	Shelocta	PA	491/493	16	0	0	741,662	741,662	1,045	16,272,831	19,428	0	0	0	0	0	16,293,305	17,034,967
Georgia Power Scherer Steam Electric Generating Plant	Juliette	GA	491/493	19	0	0	0	0	0	12,413,319	42,477	0	0	0	3,349,274	0	15,805,071	15,805,071
Buick Mine/Mill	Boss	MO	10	5	0	0	0	0	53,598	1,080	13,367	0	0	0	12,151,786	3,197,290	15,417,121	15,417,121
Whelan Energy Center	Hastings	NE	491/493	5	0	0	0	0	4	56,059	0	0	0	0	0	0	56,063	56,063
W. H. Sammis Plant	Stratton	OH	491/493	19	0	0	0	0	2,026	14,922,593	2,274	0	0	0	0	0	14,926,892	14,926,892
J. M. Stuart Station	Manchester	OH	491/493	19	0	0	0	0	99	10,634,390	18,723	0	0	140,000	3,237,349	0	14,030,561	14,030,561
Phelps Dodge Miami Inc	Claypool	AZ	10	16	0	0	0	0	164,414	214,406	0	0	0	0	0	13,216,776	13,595,596	13,595,596
American Electric Power Mitchell Plant	Moundsville	WV	491/493	20	0	0	0	0	810	11,867,694	13,217	0	241,319	0	1,433,109	55	13,556,204	13,556,204
Marshall Steam Station	Terrell	NC	491/493	16	0	0	243,389	243,389	89	13,534,240	8,912	0	0	0	0	0	13,543,241	13,786,630
Progress Energy Crystal River Energy Complex	Crystal River	FL	491/493	20	0	0	374,050	374,050	72	13,021,012	11,200	0	0	0	1,047	0	13,033,330	13,407,380
Brandon Shores & Wagner Complex	Baltimore	MD	491/493	22	0	0	0	0	15	12,750,605	6,394	0	0	0	18,104	2,800	12,777,918	12,777,918
Progress Energy Carolinas Inc Roxboro Steam Electric Plant	Semora	NC	491/493	22	0	0	1,706,030	1,706,030	671	12,281,054	5,948	0	0	0	199,174	0	12,486,847	14,192,877
Brushy Creek Mine/Mill	Bunker	MO	10	4	0	0	0	0	37,630	0	4,384	0	0	0	10,468,316	1,959,324	12,469,654	12,469,654
Asarco Inc Ray Complex Hayden Smelter & Concentrator	Hayden	AZ	33	16	0	0	0	0	74,359	461,705	0	0	0	0	0	11,884,412	12,420,476	12,420,476
American Electric Power Cardinal Plant	Brilliant	OH	491/493	19	0	0	0	0	785	9,439,340	13,316	0	181,535	0	1,556,427	50	11,191,453	11,191,453
Detroit Edison Monroe Power Plant	Monroe	MI	491/493	21	0	0	0	0	20	7,380,115	30,728	0	0	0	3,400,545	49,193	10,860,601	10,860,601
Cinergy Gibson Generating Station	Princeton	IN	491/493	23	0	0	2,244,308	2,244,308	1,719	7,827,664	0	0	0	0	2,418,365	4	10,247,751	12,492,059
Georgia Power Wansley Steam Electric Generating Plant	Roopville	GA	491/493	32	0	0	0	0	2,990	7,660,757	8,699	0	0	0	2,552,748	0	10,225,194	10,225,194
Fletcher Mine/Mill	Bunker	MO	10	3	0	0	0	0	31,890	405	2,560	0	0	0	8,240,588	1,886,400	10,161,843	10,161,843
Georgia Power Branch Steam Electric Generating Plant	Milledgeville	GA	491/493	19	0	0	0	0	0	8,399,306	7,365	0	0	0	1,431,331	0	9,838,002	9,838,002
Montana Tunnels Mining Inc	Jefferson City	MT	10	9	0	0	12,013,755	12,013,755	50,116	2	0	0	0	0	9,684,930	0	9,735,048	21,748,803
Nucor Steel Nebraska	Norfolk	NE	33	8	0	0	0	0	4,696	10,725	6,170	0	0	0	0	0	21,591	21,591
Duke Energy Belews Creek Steam Station	Belews Creek	NC	491/493	16	0	0	576,332	576,332	368	9,489,789	12,050	0	0	0	181,596	0	9,683,803	10,260,135
An Electric Power Muskingum River Plant	Beverly	OH	491/493	17	0	0	0	0	535	8,602,975	8,145	0	0	0	769,063	45	9,380,763	9,380,763
Stanton Energy Complex	Orlando	FL	491/493	21	0	0	0	0	750	600,494	0	0	0	0	8,765,702	0	9,366,946	9,366,946
Alabama Power Co Gaston Steam Plant	Wilsonville	AL	491/493	18	0	0	0	0	0	5,338,904	26,125	0	0	0	3,672,114	0	9,037,143	9,037,143
American Electric Power Mountaineer Plant	New Haven	WV	491/493	21	0	0	1,236,864	1,236,864	1,040	8,947,343	4,600	0	30,555	0	32,102	55	9,015,695	10,252,559
Hecla Mining Co Lucky Friday Mine Unit	Mullan	ID	10	7	0	0	0	0	248	101	3,879	0	0	0	5,007,962	3,896,784	8,908,974	8,908,974
Mirant Morgantown Generating Station	Newburg	MD	491/493	17	0	0	0	0	4,290	8,007,900	17	0	0	0	0	0	8,012,206	8,012,206
Doe Run Co Herculaneum Smelter	Herculaneum	MO	33	10	0	0	0	0	11,119	46,769	240	0	0	0	0	8,208,719	8,266,847	8,266,847
Nucor Corp Nucor Steel Div	Plymouth	UT	33	9	0	0	88,001	88,001	74	8,438	153	0	0	0	0	0	8,665	96,665
F.J. Gannon Station	Tampa	FL	491/493	15	0	0	0	0	0	8,177,711	5,911	0	0	0	60	0	8,183,683	8,183,683
American Electric Power Conesville Plant	Conesville	OH	491/493	20	0	0	1,095,216	1,095,216	795	7,736,480	18,422	0	7,333	0	382,578	55	8,145,664	9,240,880
Ipsco Steel (Alabama) Inc	Axis	AL	33	9	0	0	0	0	0	9,521	46	0	0	0	0	0	9,567	9,567
Allegheny Energy Inc Hatfield Power Station	Masontown	PA	491/493	18	0	0	12,609	12,609	8,594	7,864,131	319	0	0	0	0	0	7,873,043	7,885,653

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to *Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data* document at **www.epa.gov/tri/tridata.**

Note: On-site Disposal or Other Releases include Underground Injection to Class I Wells (Section 5.4.1), RCRA Subtitle C Landfills (5.5.1A), Other Landfills (5.5.1B), Fugitive or Non-point Air Emissions (5.1), Stack or Point Source Air Emissions (5.2), Surface Water Discharges (5.3), Class II-V Wells (5.4.2), Land Treatment (5.5.2), RCRA Subtitle C Surface Impoundments (5.5.3A), Other Surface Impoundments (5.5.3B) and Other Land Disposal (5.5.4). Off-site Disposal or Other Releases include from Section 6.2 Underground Injection to Class I Wells (M81), RCRA Subtitle C Landfills (M65), Other Landfills (M64, M72), Storage Only (M10), Solidification/Stabilization - Metals and Metal Category Compounds only (M41 or M40), Wastewater Treatment (excluding POTWs) - Metals and Metal Category Compounds only (M62 or M61), RCRA Subtitle C Surface Impoundments (M66), Other Surface Impoundments (M67, M63), Land Treatment (M73), Other Land Disposal (M79), Underground Injection to Class II-V Wells (M82, M71), Other Off-site Management (M Transfers to Waste Broker - Disposal (M94, M91), and Unknown (M99) and, from Section 6.1, Transfers to POTWs (metals and metal category compounds only).

The 50 Facilities with Largest Total Disposal or Other Releases, not including Class I Underground Injection Wells, RCRA Subtitle C Landfills and Other Landfills, 200

	Off-site Disposal or Other Releases																			
	Off-site Disposal to Class I Underground Injection				Other Off-site Disposal or Other Releases															
Facility	Class I Wells Pounds	RCRA Subtitle C Landfills Pounds	Other Landfills Pounds	Subtotal Pounds	Storage Only Pounds	Solidification/ Stabilization (Metals and Metal Category Compounds Only) Pounds	Wastewater Treatment (Excluding POTWs) (Metals and Metal Category Compounds Only) Pounds	Transfers to POTWs (Metals and Metal Category Compounds Only) Pounds	Class II-V Wells Pounds	RCRA Subtitle C Surface Impoundments Pounds	Other Surface Impoundments Pounds	Land Treatment Pounds	Other Land Disposal Pounds	Other Off-site Management Pounds	Transfers to Waste Broker for Disposal Pounds	Unknown Pounds	Subtotal Pounds	Total Off-site Disposal or Other Releases Pounds	Total On-site and Off-site Disposal or Other Releases Pounds	Total On-site Disposal or Other Releases not including Class I Underground Injection Wells, RCRA Subtitle C Landfills and Other Landfills Pounds
Red Dog Operations	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	487,366,663	487,366,663
Newmont Mining Corp Twin Creeks Mine	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	200,923,680	200,912,395
Kennecott Utah Copper Mine Concentrators & Power Plant	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	250	250	250	180,946,462	180,946,462
Barrick Goldstrike Mines Inc	0	0	0	0	0	0	0	0	0	0	0	2,649	0	0	0	0	2,649	2,649	101,630,215	101,625,180
Kennecott Greens Creek Mining Co	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	43,855,072	43,855,072
Newmont Mining Corp Carlin South Area	0	5,359	0	5,359	0	0	0	0	0	0	0	0	0	0	0	0	0	5,359	29,382,178	29,375,306
Newmont Mining Corp Lone Tree Mine	0	62	0	62	0	0	0	0	0	0	0	0	0	0	0	0	0	62	25,872,329	25,867,863
Kennecott Utah Copper Smelter & Refinery	0	1	0	1	0	7,565	0	0	0	0	0	0	0	0	262	0	7,827	7,828	25,683,822	25,683,541
Bowen Steam Electric Generating Plant	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	6	6	19,784,130	19,784,130
Steel Dynamics Inc	72,919	3,053,704	0	3,126,623	0	18,238,003	0	53	0	0	0	0	0	83	0	0	18,238,139	21,364,762	21,926,640	18,800,017
American Electric Power Amos Plant	0	0	1,466,326	1,466,326	0	0	0	326	0	0	0	0	0	0	0	0	326	1,466,652	19,453,459	17,987,132
AK Steel Corp (Rockport Works)	0	0	634,750	634,750	0	0	0	0	0	0	0	0	0	0	0	0	0	634,750	18,313,142	17,678,392
U.S. TVA Johnsonville Fossil Plant	0	265	0	265	17	0	0	0	0	0	0	0	19,124	0	0	22	19,162	19,427	17,016,569	17,016,305
Liberty Fibers Corp	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17,174,226	16,813,983
Zinifex Clarksville Inc	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16,363,735	16,363,735
Reliant Energy Keystone Power Plant	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17,034,967	16,293,305
Georgia Power Scherer Steam Electric Generating Plant	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15,805,071	15,805,071
Buick Mine/Mill	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15,417,121	15,417,121
Whelan Energy Center	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14,959,157	0	14,959,157	14,959,157	15,015,220	15,015,220
W. H. Sammis Plant	0	0	2,607,547	2,607,547	0	0	0	0	0	0	0	0	0	0	0	0	0	2,607,547	17,534,440	14,926,892
J. M. Stuart Station	0	0	11	11	0	0	0	0	0	0	0	0	0	0	0	0	0	11	14,030,572	14,030,561
Phelps Dodge Miami Inc	0	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0	196	196	13,595,792	13,595,792
American Electric Power Mitchell Plant	0	0	3,723	3,723	0	0	0	0	0	0	0	0	0	0	0	0	0	3,723	13,559,927	13,556,204
Marshall Steam Station	0	0	0	0	0	0	0	0	0	0	0	0	0	0	170	0	170	170	13,786,800	13,543,411
Progress Energy Crystal River Energy Complex	0	0	10	10	0	0	0	0	0	0	0	0	0	40	0	0	40	50	13,407,431	13,033,371
Brandon Shores & Wagner Complex	0	0	1,407	1,407	0	0	0	15	0	0	0	0	0	0	0	0	15	1,422	12,779,340	12,777,933
Progress Energy Carolinas Inc Roxboro Steam Electric Plant	0	2	0	2	0	0	0	0	0	0	0	0	0	40	24	0	64	66	14,192,943	12,486,911
Brushy Creek Mine/Mill	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12,469,654	12,469,654
Asarco Inc Ray Complex Hayden Smelter & Concentrator	0	2,849	0	2,849	0	0	0	10	0	0	0	0	0	0	0	0	10	2,859	12,423,335	12,420,486
American Electric Power Cardinal Plant	0	0	12,724	12,724	0	0	0	0	0	0	0	0	0	0	0	0	0	12,724	11,204,177	11,191,453
Detroit Edison Monroe Power Plant	0	0	0	0	0	0	0	0	0	0	0	0	0	10	0	0	10	10	10,860,611	10,860,611
Cinergy Gibson Generating Station	0	0	0	0	0	0	0	0	0	0	0	0	52,356	2	0	0	52,358	52,358	12,544,417	10,300,109
Georgia Power Wansley Steam Electric Generating Plant	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10,225,194	10,225,194
Fletcher Mine/Mill	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10,161,843	10,161,843
Georgia Power Branch Steam Electric Generating Plant	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9,838,002	9,838,002
Montana Tunnels Mining Inc	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21,748,803	9,735,048
Nucor Steel Nebraska	0	0	0	0	0	9,686,876	0	0	0	0	0	0	0	0	0	0	9,686,876	9,686,876	9,708,467	9,708,467
Duke Energy Belews Creek Steam Station	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10,260,135	9,683,803
An Electric Power Muskingum River Plant	0	0	4,151	4,151	0	0	0	0	0	0	0	0	0	0	0	0	0	4,151	9,384,914	9,380,763
Stanton Energy Complex	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9,366,946	9,366,946
Alabama Power Co Gaston Steam Plant	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9,037,143	9,037,143
American Electric Power Mountaineer Plant	0	0	1,082	1,082	0	0	0	0	0	0	0	0	0	0	0	0	0	1,082	10,253,641	9,015,695
Hecla Mining Co Lucky Friday Mine Unit	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8,908,974	8,908,974
Mirant Morgantown Generating Station	0	0	0	0	850,481	0	0	0	0	0	0	0	0	0	385	0	850,866	850,866	8,863,072	8,863,072
Doe Run Co Herculaneum Smelter	0	0	0	0	0	0	0	1,230	0	0	0	19,237	0	0	0	0	20,467	20,467	8,287,314	8,287,314
Nucor Corp Nucor Steel Div	0	0	0	0	0	8,195,092	0	0	0	0	0	0	0	0	0	0	8,195,092	8,195,092	8,291,758	8,203,757
F.J. Gannon Station	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8,183,683	8,183,683
American Electric Power Conesville Plant	0	0	8,963	8,963	0	0	0	0	0	0	0	0	0	0	0	0	0	8,963	9,249,842	8,145,664
Ipsco Steel (Alabama) Inc	0	0	323,099	323,099	0	7,931,172	0	0	0	0	0	0	0	0	0	0	7,931,172	8,254,271	8,263,838	7,940,739
Allegheny Energy Inc Hatfield Power Station	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7,885,653	7,873,043

Note: This information does not indicate whether (or to what degNote: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to *Consider When Using TRI Data* document at **www.epa.gov/tri/tr***Inventory (TRI) and Factors to Consider When Using TRI Data* document at **www.epa.gov/tri/tridata.**

Note: On-site Disposal or Other Releases include Underground INote: On-site Disposal or Other Releases include Underground Injection to Class I Wells (Section 5.4.1), RCRA Subtitle C Landfills (5.5.1A), Other Landfills (5.5.1B), Fugitive or Non-point Air Emissions (5.1), Stack or Point Source Air Emissions (5.2), Surface Water Discharges (5.3), Class II-V Wells (5.4.2), Land Impoundments (5.5.3A), Other Surface Impoundments (5.5.3B) aTreatment (5.5.2), RCRA Subtitle C Surface Impoundments (5.5.3A), Other Surface Impoundments (5.5.3B) and Other Land Disposal (5.5.4). Off-site Disposal or Other Releases include from Section 6.2 Underground Injection to Class I Wells (M81), RCRA Subtitle C Landfills (M65), Other Landfills (M64, M72), Sto only (M41 or M40), Wastewater Treatment (excluding POTWs) - Only (M10), Solidification/Stabilization - Metals and Metal Category Compounds only (M41 or M40), Wastewater Treatment (excluding POTWs) - Metals and Metal Category Compounds only (M62 or M61), RCRA Subtitle C Surface Impoundments (M66), Other Surface Impoundments (M67, M63), Land Treatment (Transfers to Waste Broker - Disposal (M94, M91), and Unknown Other Land Disposal (M79), Underground Injection to Class II-V Wells (M82, M71), Other Off-site Management (M90), Transfers to Waste Broker - Disposal (M94, M91), and Unknown (M99) and, from Section 6.1, Transfers to POTWs (metals and metal category compounds only).

The 50 Facilities with Largest Total On-site Disposal or Other Releases, 2003

					On-site Disposal or Other Releases															
					On-site Disposal to Class I Underground Injection Wells, RCRA Subtitle C Landfills, and Other Landfills				Other On-site Disposal or Other Releases											
Facility	City	State	SIC Code	Total Forms Number	Class I Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Landfills Pounds	Subtotal Pounds	Fugitive Air Emissions Pounds	Point Source Air Emissions Pounds	Surface Water Discharges Pounds	Class II-V Wells Pounds	Land Treatment Pounds	RCRA Subtitle C Surface Impoundments Pounds	Other Surface Impoundments Pounds	Other Land Disposal Pounds	Subtotal Pounds	Total On-site Disposal or Other Releases Pounds	Total Off-site Disposal or Other Releases Pounds	Total On-site and Off-site Disposal or Other Releases Pounds
Red Dog Operations	Kotzebue	AK	10	12	0	0	0	0	41,174	2,089	820	0	0	0	266,179,157	221,143,423	487,366,663	487,366,663	0	487,366,663
Newmont Mining Corp Twin Creeks Mine	Golconda	NV	10	22	0	0	11,285	11,285	76,765	69,492	128	0	0	0	43,464,020	157,301,990	200,912,395	200,923,680	0	200,923,680
Kennecott Utah Copper Mine Concentrators & Power Plant	Copperton	UT	10	21	0	0	0	0	13,615	7,126	10,102	0	12,987	0	102,586,690	78,315,691	180,946,212	180,946,212	250	180,946,462
Barrick Goldstrike Mines Inc	Elko	NV	10	26	0	0	5,035	5,035	26,060	24,890	0	0	43	0	88,795,739	12,775,799	101,622,530	101,627,565	2,649	101,630,215
Kennecott Greens Creek Mining Co	Juneau	AK	10	10	0	0	0	0	697	22,400	562	21,374,365	0	0	0	22,457,048	43,855,072	43,855,072	0	43,855,072
US Ecology Idaho Inc	Grand View	ID	7389/4953	23	0	30,517,289	0	30,517,289	141	4,848	0	0	0	7	0	0	4,996	30,522,285	0	30,522,285
US Ecology Nevada Inc	Beatty	NV	7389/4953	27	0	29,771,405	0	29,771,405	269	144	0	0	0	0	0	0	413	29,771,818	0	29,771,818
Newmont Mining Corp Carlin South Area	Carlin	NV	10	22	0	0	1,513	1,513	37,926	1,980	0	0	0	0	26,485,400	2,850,000	29,375,306	29,376,819	5,359	29,382,178
Newmont Mining Corp Lone Tree Mine	Valmy	NV	10	21	0	0	4,404	4,404	43,366	13,238	88,457	0	0	0	24,685,015	1,037,787	25,867,863	25,872,267	62	25,872,329
Kennecott Utah Copper Smelter & Refinery	Magna	UT	33	22	0	0	280	280	18,275	125,465	8,655	0	12,987	0	25,507,220	3,112	25,675,714	25,675,994	7,828	25,683,822
Chemical Waste Management Of The Northwest Inc	Arlington	OR	7389/4953	39	0	13,207,404	11,342,959	24,550,362	144	40	0	0	0	12,337	0	0	12,521	24,562,883	5	24,562,888
Chemical Waste Management Inc	Kettleman City	CA	7389/4953	28	0	22,258,560	6,231	22,264,792	5,693	468	0	0	0	287	0	0	6,447	22,271,239	884	22,272,123
Peoria Disposal Co #1	Peoria	IL	7389/4953	8	0	22,056,023	0	22,056,023	3	1,533	0	0	0	0	0	0	1,536	22,057,559	12	22,057,571
Montana Tunnels Mining Inc	Jefferson City	MT	10	9	0	0	12,013,755	12,013,755	50,116	2	0	0	0	0	9,684,930	0	9,735,048	21,748,803	0	21,748,803
Solutia - Chocolate Bayou	Alvin	TX	28	29	19,957,508	190,548	0	20,148,056	46,339	1,031,462	3,900	0	0	0	0	0	1,081,701	21,229,757	167	21,229,924
Solutia Inc.	Cantonment	FL	28	25	20,780,590	0	0	20,780,590	11,218	190,683	2,216	0	0	0	0	0	204,117	20,984,707	198	20,984,905
USS Gary Works	Gary	IN	33	47	0	7,855,773	8,280,175	16,135,948	318,318	552,476	3,565,450	0	0	0	0	0	4,436,244	20,572,192	404,663	20,976,855
Bowen Steam Electric Generating Plant	Cartersville	GA	491/493	18	0	0	0	0	4,650	18,479,289	14,125	0	0	0	1,286,060	0	19,784,124	19,784,124	6	19,784,130
American Electric Power Amos Plant	Winfield	WV	491/493	20	0	0	0	0	1,040	16,872,096	19,317	0	19,158	0	1,075,141	55	17,986,807	17,986,807	1,466,652	19,453,459
AK Steel Corp (Rockport Works)	Rockport	IN	33	9	0	0	0	0	0	14,881	17,663,511	0	0	0	0	0	17,678,392	17,678,392	634,750	18,313,142
Liberty Fibers Corp	Lowland	TN	28	14	0	0	360,243	360,243	995,082	15,802,529	16,372	0	0	0	0	0	16,813,983	17,174,226	0	17,174,226
Reliant Energy Keystone Power Plant	Shelocta	PA	491/493	16	0	0	741,662	741,662	1,045	16,272,831	19,428	0	0	0	0	0	16,293,305	17,034,967	0	17,034,967
U.S. TVA Johnsonville Fossil Plant	New Johnsonville	TN	491/493	19	0	0	0	0	2,299	15,119,207	31,600	0	0	0	1,844,010	26	16,997,142	16,997,142	19,427	17,016,569
BP Chemicals Inc	Lima	OH	28	35	16,740,235	0	0	16,740,235	13,781	139,235	0	0	0	0	0	0	153,016	16,893,251	2,697	16,895,948
Zinifex Clarksville Inc	Clarksville	TN	10	9	0	0	0	0	327	142,104	93,176	0	0	0	16,128,128	0	16,363,735	16,363,735	0	16,363,735
Georgia Power Scherer Steam Electric Generating Plant	Juliette	GA	491/493	19	0	0	0	0	0	12,413,319	42,477	0	0	0	3,349,274	0	15,805,071	15,805,071	0	15,805,071
Buick Mine/Mill	Boss	MO	10	5	0	0	0	0	53,598	1,080	13,367	0	0	0	12,151,786	3,197,290	15,417,121	15,417,121	0	15,417,121
Du Pont Delisle Plant	Pass Christian	MS	28	25	12,654,379	0	616,018	13,270,397	42,250	2,049,507	869	0	0	0	0	0	2,092,625	15,363,023	28	15,363,050
W. H. Sammis Plant	Stratton	OH	491/493	19	0	0	0	0	2,026	14,922,593	2,274	0	0	0	0	0	14,926,892	14,926,892	2,607,547	17,534,440
Progress Energy Carolinas Inc Roxboro Steam Electric Plant	Semora	NC	491/493	22	0	0	1,706,030	1,706,030	671	12,281,054	5,948	0	0	0	199,174	0	12,486,847	14,192,877	66	14,192,943
J. M. Stuart Station	Manchester	OH	491/493	19	0	0	0	0	99	10,634,390	18,723	0	0	140,000	3,237,349	0	14,030,561	14,030,561	11	14,030,572
BP Amoco Chemical Green Lake Facility	Port Lavaca	TX	28	21	13,810,820	0	0	13,810,820	22,005	69,861	1,300	0	0	0	0	0	93,166	13,903,986	6,770	13,910,756
Marshall Steam Station	Terrell	NC	491/493	16	0	0	243,389	243,389	89	13,534,240	8,912	0	0	0	0	0	13,543,241	13,786,630	170	13,786,800
Phelps Dodge Miami Inc	Claypool	AZ	10	16	0	0	0	0	164,414	214,406	0	0	0	0	0	13,216,776	13,595,596	13,595,596	196	13,595,792
American Electric Power Mitchell Plant	Moundsville	WV	491/493	20	0	0	0	0	810	11,867,694	13,217	0	241,319	0	1,433,109	55	13,556,204	13,556,204	3,723	13,559,927
Progress Energy Crystal River Energy Complex	Crystal River	FL	491/493	20	0	0	374,050	374,050	72	13,021,012	11,200	0	0	0	1,047	0	13,033,330	13,407,380	50	13,407,431
Brandon Shores & Wagner Complex	Baltimore	MD	491/493	22	0	0	0	0	15	12,750,605	6,394	0	0	0	18,104	2,800	12,777,918	12,777,918	1,422	12,779,340
Vickery Environmental Inc.	Vickery	OH	7389/4953	21	12,543,230	0	0	12,543,230	0	0	0	0	0	0	0	0	0	12,543,230	47,890	12,591,120
Cinergy Gibson Generating Station	Princeton	IN	491/493	23	0	0	2,244,308	2,244,308	1,719	7,827,664	0	0	0	0	2,418,365	4	10,247,751	12,492,059	52,358	12,544,417
Brushy Creek Mine/Mill	Bunker	MO	10	4	0	0	0	0	37,630	0	4,384	0	0	0	10,468,316	1,959,324	12,469,654	12,469,654	0	12,469,654
Asarco Inc Ray Complex Hayden Smelter & Concentrator	Hayden	AZ	33	16	0	0	0	0	74,359	461,705	0	0	0	0	0	11,884,412	12,420,476	12,420,476	2,859	12,423,335
Du Pont Johnsonville Plant	New Johnsonville	TN	28	21	0	0	10,149,620	10,149,620	2,877	2,171,507	3,613	0	0	0	0	0	2,177,997	12,327,617	0	12,327,617
Dupont Beaumont Plant	Beaumont	TX	28	42	11,083,800	0	0	11,083,800	43,149	248,893	1,150	0	0	0	0	0	293,192	11,376,992	15,371	11,392,363
American Electric Power Cardinal Plant	Brilliant	OH	491/493	19	0	0	0	0	785	9,439,340	13,316	0	181,535	0	1,556,427	50	11,191,453	11,191,453	12,724	11,204,177
Monsanto Luling	Luling	LA	28	16	10,947,000	0	0	10,947,000	7,015	92,777	116,425	0	2,160	0	0	0	218,377	11,165,377	0	11,165,377
Colstrip Steam Electric Station	Colstrip	MT	491/493	23	0	0	10,694,175	10,694,175	199	274,807	0	0	0	0	0	0	275,006	10,969,181	208,916	11,178,097
Detroit Edison Monroe Power Plant	Monroe	MI	491/493	21	0	0	0	0	20	7,380,115	30,728	0	0	0	3,400,545	49,193	10,860,601	10,860,601	10	10,860,611
Cytec Industries Inc Fortier Plant	Westwego	LA	28	28	10,065,837	0	0	10,065,837	37,501	177,501	29,048	0	0	0	0	0	244,050	10,309,887	0	10,309,887
Duke Energy Belews Creek Steam Station	Belews Creek	NC	491/493	16	0	0	576,332	576,332	368	9,489,789	12,050	0	0	0	181,596	0	9,683,803	10,260,135	0	10,260,135
American Electric Power Mountaineer Plant	New Haven	WV	491/493	21	0	0	1,236,864	1,236,864	1,040	8,947,343	4,600	0	30,555	0	32,102	55	9,015,695	10,252,559	1,082	10,253,641

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to *The Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data* document at **www.epa.gov/tri/tridata.**

Note: On-site Disposal or Other Releases include Underground Injection to Class I Wells (Section 5.4.1), RCRA Subtitle C Landfills (5.5.1A), Other Landfills (5.5.1B), Fugitive or Non-point Air Emissions (5.1), Stack or Point Source Air Emissions (5.2), Surface Water Discharges (5.3), Class II-V Wells (5.4.2), Land Treatment (5.5.2), RCRA Subtitle C Surface Impoundments (5.5.3A), Other Surface Impoundments (5.5.3B) and Other Land Disposal (5.5.4). Off-site Disposal or Other Releases include from Section 6.2 Underground Injection to Class I Wells (M81), RCRA Subtitle C Landfills (M65), Other Landfills (M64, M72), Storage Only (M10), Solidification/Stabilization - Metals and Metal Category Compounds only (M41 or M40), Wastewater Treatment (excluding POTWs) - Metals and Metal Category Compounds only (M62 or M61), RCRA Subtitle C Surface Impoundments (M66), Other Surface Impoundments (M67, M63), Land Treatment (M73), Other Land Disposal (M79), Underground Injection to Class II-V Wells (M82, M71), Other Off-site Management (M90), Transfers to Waste Broker - Disposal (M94, M91), and Unknown (M99) and, from Section 6.1, Transfers to POTWs (metals and metal category compounds only).

The 50 Facilities with Largest Total Off-site Disposal or Other Releases, 2003

Facility	City	State	SIC Code	Total Forms Number	Total On-site Disposal or Other Releases	Off-site Disposal or Other Releases																Total Off-site Disposal or Other Releases	Total On-site and Off-site Disposal or Other Releases
						Off-site Disposal to Class I Underground Injection Wells, RCRA Subtitle C Landfills, and Other Landfills				Other Off-site Disposal or Other Releases													
						Class I Wells	RCRA Subtitle C Landfills	Other Landfills	Subtotal	Storage Only	Solidification/ Stabilization (Metals and Metal Category Compounds Only)	Wastewater Treatment (Excluding POTWs) (Metals and Metal Category Compounds Only)	Transfers to POTWs (Metals and Metal Category Compounds Only)	Class II-V Wells	RCRA Subtitle C Surface Impoundments	Other Surface Impoundments	Land Treatment	Other Land Disposal	Other Off-site Management	Transfers to Waste Broker for Disposal	Unknown	Subtotal		
					Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
Nucor Steel	Crawfordsville	IN	33	11	44,023	0	0	35,093,438	35,093,438	0	6,595,721	18,554	0	0	0	0	0	0	3,152	0	0	6,617,427	41,710,865	41,754,888
Horsehead Corp - Monaca Smelter	Monaca	PA	33	14	941,407	0	0	21,360,046	21,360,046	0	133,680	0	0	0	0	0	0	0	0	0	0	133,680	21,493,726	22,435,133
Nucor Steel-Berkeley	Huger	SC	33	10	61,202	0	21,468,041	0	21,468,041	0	0	0	0	0	0	0	0	0	0	0	0	0	21,468,041	21,529,243
Steel Dynamics Inc	Butler	IN	33	17	561,878	72,919	3,053,704	0	3,126,623	0	18,238,003	0	53	0	0	0	0	0	83	0	0	18,238,139	21,364,762	21,926,640
Rouge Steel Co	Dearborn	MI	33	10	71,298	0	77,646	16,710,104	16,787,750	0	25,168	197	0	0	0	0	0	0	0	0	0	25,365	16,813,115	16,884,413
Whelan Energy Center	Hastings	NE	491/493	5	56,063	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14,959,157	0	14,959,157	14,959,157	15,015,220
Nucor Steel Nebraska	Norfolk	NE	33	8	21,591	0	0	0	0	0	9,686,876	0	0	0	0	0	0	0	0	0	0	9,686,876	9,686,876	9,708,467
Ipsco Steel (Alabama) Inc	Axis	AL	33	9	9,567	0	0	323,099	323,099	0	7,931,172	0	0	0	0	0	0	0	0	0	0	7,931,172	8,254,271	8,263,838
Nucor Corp Nucor Steel Div	Plymouth	UT	33	9	96,665	0	0	0	0	0	8,195,092	0	0	0	0	0	0	0	0	0	0	8,195,092	8,195,092	8,291,758
Ipsco Steel Inc	Muscatine	IA	33	8	4,886	0	0	335,963	335,963	0	7,836,378	0	0	0	0	0	0	0	0	0	0	7,836,378	8,172,340	8,177,226
United States Steel Corp Great Lakes Works	Ecorse	MI	33	30	407,527	0	0	5,457,049	5,457,049	0	412,564	0	624	0	0	0	0	0	0	0	1	413,189	5,870,238	6,277,765
Heritage Environmental Services LLC	Indianapolis	IN	7389/4953	15	2,319	0	4,752,600	273,290	5,025,890	0	0	0	1,935	0	0	0	0	0	0	836,591	0	838,526	5,864,416	5,866,735
Envirite of Ohio Inc	Canton	OH	7389/4953	10	2,082	13,500	172,801	5,423,622	5,609,923	0	109,841	71,309	516	0	0	0	0	0	26	1,051	0	182,742	5,792,665	5,794,747
Indianapolis Foundry	Indianapolis	IN	33	11	76,268	0	0	5,714,000	5,714,000	0	2,356	0	6,620	0	0	0	0	0	24	0	0	9,000	5,723,000	5,799,268
Cascade Steel Rolling Mills Inc	Mc Minnville	OR	33	7	9,623	0	0	0	0	0	5,670,899	0	0	0	0	0	0	0	0	0	0	5,670,899	5,670,899	5,680,522
USS Mon Valley Works - Edgar Thomson Plant	Braddock	PA	33	16	85,663	0	0	5,365,909	5,365,909	0	0	0	0	0	0	0	0	0	0	34	0	34	5,365,942	5,451,605
Doe Run Recycling Facility	Boss	MO	33	6	20,648	0	85,778	5,175,992	5,261,770	0	0	0	0	0	0	0	0	0	0	0	0	0	5,261,770	5,282,418
Keystone Steel & Wire Co	Peoria	IL	33	6	685,600	0	5,245,000	0	5,245,000	0	0	0	0	0	0	0	0	0	0	0	0	0	5,245,000	5,930,600
Basin Electric Power Co-op Antelope Valley Station	Beulah	ND	491/493	16	135,049	0	0	5,169,270	5,169,270	0	0	0	0	0	0	0	0	0	0	0	0	0	5,169,270	5,304,319
Timken Co Faircrest Steel Plant	Canton	OH	33	8	5,682	0	92,612	0	92,612	0	4,869,816	0	0	0	0	0	0	0	0	0	0	4,869,816	4,962,428	4,968,110
ISG Indiana Harbor Inc	East Chicago	IN	33	13	127,818	0	1,581	4,475,135	4,476,716	50	4,366	0	0	0	0	0	0	0	0	0	0	4,416	4,481,133	4,608,951
Sterling Steel Co LLC	Sterling	IL	33	4	6,486	0	0	7,283	7,283	0	4,413,000	0	0	0	0	0	0	0	0	0	0	4,413,000	4,420,283	4,426,769
Alumitech of Wabash Inc	Wabash	IN	33	11	10	0	0	0	0	0	0	0	51	0	0	0	0	0	0	4,338,894	0	4,338,945	4,338,945	4,338,955
Thyssenkrupp Waupaca Plant 4	Marinette	WI	33	12	42,785	0	0	4,305,820	4,305,820	0	0	0	20	0	0	0	0	0	0	0	0	20	4,305,840	4,348,625
United States Steel Corp Granite City Steel	Granite City	IL	33	34	3,144,804	0	2,561	4,126,086	4,128,648	0	0	0	0	0	0	0	0	0	0	0	0	0	4,128,648	7,273,451
AK Steel Corp Mansfield Works	Mansfield	OH	33	7	4,276	0	3,881,200	0	3,881,200	0	73,657	0	0	0	0	0	0	0	0	0	0	73,657	3,954,857	3,959,133
Nucor Steel Arkansas	Blytheville	AR	33	13	39,625	0	250	8,880	9,130	0	3,877,120	0	0	0	0	0	0	0	0	0	0	3,877,120	3,886,250	3,925,876
Wheeling-Pittsburgh Steel Corp Mingo Junction	Mingo Junction	OH	33	10	63,922	0	3,771,584	43,001	3,814,585	0	0	0	0	0	0	0	0	0	0	0	0	0	3,814,585	3,878,507
Roanoke Electric Steel Corp	Roanoke	VA	33	7	6,877	0	75,440	3,730,946	3,806,386	0	0	0	0	0	0	0	0	0	0	0	0	0	3,806,386	3,813,263
UOP LLC	Chickasaw	AL	28	7	81,535	0	0	3,581,000	3,581,000	0	64,400	0	0	0	0	0	0	130,000	0	0	0	194,400	3,775,400	3,856,935
Du Pont Edge Moor	Edgemoor	DE	28	22	280,018	0	585	3,677,605	3,678,190	0	0	0	0	0	0	0	0	0	0	13	0	13	3,678,203	3,958,221
Envirite Of Illinois Inc	Harvey	IL	7389/4953	9	412	0	16,085	3,631,122	3,647,207	0	0	0	1,032	0	0	0	0	0	0	0	0	1,032	3,648,239	3,648,651
Corus Tuscaloosa	Tuscaloosa	AL	33	16	2,589	0	0	0	0	0	3,566,940	0	53	0	0	0	0	0	0	0	0	3,566,993	3,566,993	3,569,582
ISG Riverdale Inc	Riverdale	IL	33	7	36,264	0	0	3,531,961	3,531,961	0	0	0	1,041	0	0	0	0	0	0	0	0	1,041	3,533,002	3,569,266
Onyx Environmental Services LLC	Port Arthur	TX	7389/4953	192	31,102	0	3,291,318	0	3,291,318	0	0	0	0	0	0	0	0	0	0	0	0	0	3,291,318	3,322,420
Huntsman Petrochemical Corp - Conroe Plant	Conroe	TX	28	16	63,660	3,272,559	0	1,410	3,273,969	0	0	0	0	0	0	0	0	0	0	0	0	0	3,273,969	3,337,629
Energizer Battery Manufacturing Inc	Marietta	OH	28	2	18,649	0	0	0	0	0	0	3,136,546	0	0	0	0	0	0	120,220	0	0	3,256,766	3,256,766	3,275,415
Thyssenkrupp Waupaca Plant 5	Tell City	IN	33	15	72,440	0	0	3,229,010	3,229,010	0	0	0	0	0	0	0	0	0	0	0	0	0	3,229,010	3,301,450
North Star Facility – MN	Saint Paul	MN	33	19	11,248	0	0	3,076,147	3,076,147	0	3	0	19	0	0	0	0	0	0	0	0	22	3,076,169	3,087,417
Nucor Steel Hertford County	Cofield	NC	33	9	67,598	0	0	0	0	0	2,942,137	0	302	0	0	0	0	117,981	0	0	0	3,060,419	3,060,419	3,128,018
Timken Co Harrison Steel Plant	Canton	OH	33	8	20,303	0	24,272	0	24,272	0	2,949,725	0	0	0	0	0	0	0	0	0	0	2,949,725	2,973,997	2,994,301
Charter Steel - Saukville	Saukville	WI	33	13	56,722	0	2,020,808	946,500	2,967,308	0	0	0	2,330	0	0	0	0	0	0	0	0	2,330	2,969,638	3,026,360
Colonial Metals Co	Columbia	PA	33	4	24,438	0	0	2,826,594	2,826,594	0	0	0	20	0	0	0	0	0	0	0	0	20	2,826,614	2,851,052
San Juan Generating Station	Waterflow	NM	491/493	16	219,530	0	0	2,811,380	2,811,380	0	0	0	0	0	0	0	0	0	0	0	0	0	2,811,380	3,030,910
Thyssenkrupp Waupaca Plant 2/3	Waupaca	WI	33	14	70,490	0	0	2,788,010	2,788,010	0	0	0	0	0	0	0	0	0	0	0	0	0	2,788,010	2,858,500
EQ Detroit Inc	Detroit	MI	7389/4953	25	0	108,117	105,794	2,521,521	2,735,432	0	0	0	16,031	0	0	0	0	0	0	0	0	16,031	2,751,463	2,751,463
Quemetco Inc	Indianapolis	IN	33	7	5,311	0	0	0	0	0	2,707,264	0	539	0	0	0	0	0	0	0	0	2,707,803	2,707,803	2,713,114
W. H. Sammis Plant	Stratton	OH	491/493	19	14,926,892	0	0	2,607,547	2,607,547	0	0	0	0	0	0	0	0	0	0	0	0	0	2,607,547	17,534,440
Tetra Micronutrients Inc	Fairbury	NE	28	6	59,489	0	0	0	0	0	2,585,332	0	0	0	0	0	0	0	0	0	0	2,585,332	2,585,332	2,644,821
Nucor-Yamato Steel Co	Blytheville	AR	33	8	19,964	0	0	0	0	0	2,395,055	0	0	0	0	0	0	0	0	0	0	2,395,055	2,395,055	2,415,019

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to *The Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data* document at **www.epa.gov/tri/tridata.**

Note: On-site Disposal or Other Releases include Underground Injection to Class I Wells (Section 5.4.1), RCRA Subtitle C Landfills (5.5.1A), Other Landfills (5.5.1B), Fugitive or Non-point Air Emissions (5.1), Stack or Point Source Air Emissions (5.2), Surface Water Discharges (5.3), Class II-V Wells (5.4.2), Land Treatment (5.5.2), RCRA Subtitle C Surface Impoundments (5.5.3A), Other Surface Impoundments (5.5.3B) and Other Land Disposal (5.5.4). Off-site Disposal or Other Releases include from Section 6.2 Underground Injection to Class I Wells (M81), RCRA Subtitle C Landfills (M65), Other Landfills (M64, M72), Storage Only (M10), Solidification/Stabilization - Metals and Metal Category Compounds only (M41 or M40), Wastewater Treatment (excluding POTWs) - Metals and Metal Category Compounds only (M62 or M61), RCRA Subtitle C Surface Impoundments (M66), Other Surface Impoundments (M67, M63), Land Treatment (M73), Other Land Disposal (M79), Underground Injection to Class II-V Wells (M82, M71), Other Off-site Management (M90), Transfers to Waste Broker - Disposal (M94, M91), and Unknown (M99) and, from Section 6.1, Transfers to POTWs (metals and metal category compounds only).

TRI On-site and Off-site Disposal or Other Releases, by Industry, 2003: Lead and Lead Compound

SIC Code	Industry	On-site Disposal or Other Releases														Total Off-site Disposal or Other Releases	Total On-site and Off-site Disposal or Other Releases
		On-site Disposal to Class I Underground Injection Wells, RCRA Subtitle C Landfills, and Other Landfills				Other On-site Disposal or Other Releases									Total On-site Disposal or Other Releases		
		Class I Wells	RCRA Subtitle C Landfills	Other On-site Landfills	Subtotal	Fugitive Air Emissions	Point Source Air Emissions	Surface Water Discharges	Class II-V Wells	Land Treatment	RCRA Subtitle C Surface Impoundments	Other Surface Impoundments	Other Land Disposal	Subtotal			
		Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
10	Metal Mining	0.00	0.00	15,593,672.50	15,593,672.50	134,449.47	13,259.80	5,152.28	7,248,652.98	500.00	34,037.00	123,455,830.11	200,984,886.57	331,876,768.21	347,470,440.71	13,990.24	347,484,430.95
12	Coal Mining	0.00	0.00	481,276.18	481,276.18	56.69	315.04	163.00	2,995.88	31,156.20	0.00	131,974.45	25,561.53	192,222.77	673,498.95	4,913.70	678,412.66
20	Food	0.00	0.00	133.20	133.20	18.86	16,961.60	747.71	0.00	225.84	0.00	1,644.90	3,235.38	22,834.28	22,967.48	80,317.67	103,285.16
21	Tobacco	0.00	0.00	2,376.00	2,376.00	0.00	130.10	19.70	0.00	0.00	0.00	0.00	0.00	149.80	2,525.80	7,011.10	9,536.90
22	Textiles	0.00	0.00	0.00	0.00	1,511.45	4,687.06	51.00	0.00	3.75	0.00	1,468.00	53.00	7,774.26	7,774.26	34,611.77	42,386.03
23	Apparel	0.00	0.00	0.00	0.00	0.00	141.00	0.00	0.00	0.00	0.00	0.00	0.00	141.00	141.00	250.00	391.00
24	Lumber	0.00	81.46	20,415.25	20,496.71	18,977.33	14,921.38	193.91	0.00	14,853.66	0.00	540.56	1,198.96	50,685.80	71,182.51	32,838.76	104,021.27
25	Furniture	0.00	0.00	0.00	0.00	994.74	1,328.33	0.10	0.00	0.00	0.00	0.00	476.35	2,799.52	2,799.52	6,096.56	8,896.07
26	Paper	0.00	0.00	213,500.76	213,500.76	41.26	35,398.08	24,075.99	0.00	13,369.90	2,853.44	61,427.65	954.05	138,120.37	351,621.13	204,588.99	556,210.12
27	Printing	0.00	87.00	0.00	87.00	21.17	25.95	0.00	0.00	0.00	0.00	0.00	25.00	72.12	159.12	30,791.79	30,950.91
28	Chemicals	253,350.50	3,275.00	451,484.08	708,109.58	3,657.15	20,477.11	5,004.73	0.00	845.06	0.00	1,137,613.60	94,827.71	1,262,425.36	1,970,534.94	553,707.71	2,524,242.65
29	Petroleum	300.00	43.00	1,388.59	1,731.59	740.72	8,357.28	8,847.18	4.50	4,013.49	2.00	4,754.10	327.09	27,046.36	28,777.95	413,610.23	442,388.18
30	Plastics	0.00	1,001.86	7,449.95	8,451.81	8,661.98	29,415.30	406.91	0.00	0.00	11.00	1.05	378.48	38,874.72	47,326.53	142,705.85	190,032.38
31	Leather	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	193.48	193.48
32	Stone/Clay/Glass	0.00	61.58	536,652.19	536,713.77	16,622.11	110,190.83	1,606.68	2,540.30	0.00	0.00	44,894.19	40,911.17	216,765.28	753,479.05	1,237,328.13	1,990,807.18
33	Primary Metals	2,631.00	1,035,451.83	3,362,777.48	4,400,860.31	135,675.55	307,749.58	22,115.10	0.00	2,603.00	0.00	4,314,096.97	3,131,444.68	7,913,684.88	12,314,545.19	17,190,957.74	29,505,502.93
34	Fabricated Metals	0.00	253.50	1,097.75	1,351.25	8,192.92	18,416.42	8,991.93	0.00	3,035.02	125.00	8,319.38	13,068.07	60,148.74	61,499.99	791,010.05	852,510.04
35	Machinery	0.00	0.62	544.00	544.63	2,593.66	5,706.31	838.49	0.00	0.00	0.00	0.00	1,618.91	10,757.37	11,302.00	111,798.76	123,100.75
36	Electrical Equip.	0.00	222,539.20	727.82	223,267.02	4,745.69	39,208.73	1,853.20	0.26	0.00	0.00	0.00	2,051.50	47,859.37	271,126.39	1,179,547.77	1,450,674.16
37	Transportation Equip.	0.00	0.00	7.83	7.83	2,680.02	58,522.49	1,959.37	0.00	0.00	0.00	5.70	586.30	63,753.88	63,761.71	327,993.26	391,754.97
38	Measure/Photo.	0.00	179.82	0.00	179.82	285.48	881.23	702.71	0.00	0.00	0.00	0.00	1.00	1,870.43	2,050.24	49,729.40	51,779.64
39	Miscellaneous	0.00	0.00	0.00	0.00	1,241.57	500.91	61.02	0.00	0.00	0.00	0.00	0.00	1,803.50	1,803.50	2,090.06	3,893.55
491/493	Electric Utilities	0.00	10,662.10	3,066,358.28	3,077,020.38	2,454.73	183,989.11	54,600.35	3.50	23,063.40	10,285.00	3,175,282.96	243,859.01	3,693,538.05	6,770,558.43	1,613,043.88	8,383,602.31
5169	Chemical Wholesale Distributors	0.00	0.00	0.00	0.00	0.13	7.60	8.00	0.00	0.00	0.00	0.00	0.12	15.85	15.85	1,262.40	1,278.25
5171	Petroleum Terminals/Bulk Storage	0.00	0.00	0.00	0.00	2,169.41	805.19	44.47	0.00	0.00	0.00	0.00	1.19	3,020.25	3,020.25	6,061.46	9,081.71
7389/4953	Hazardous Waste/Solvent Recovery	64,088.00	28,227,605.99	31,881.27	28,323,575.26	1,795.61	4,793.64	270.32	0.00	9.70	1,285,031.70	0.55	78,286.52	1,370,188.04	29,693,763.30	3,592,261.89	33,286,025.19
--	No codes	0.00	633,217.03	11,501.24	644,718.27	41,688.56	4,894.15	1,452.03	0.00	192.30	1,412.00	17,292.27	2,658,000.29	2,724,931.60	3,369,649.87	389,395.71	3,759,045.58
	Total	**320,369.50**	**30,134,460.01**	**23,783,244.37**	**54,238,073.88**	**389,276.27**	**881,084.19**	**139,166.18**	**7,254,197.42**	**93,871.32**	**1,333,757.14**	**132,355,146.43**	**207,281,752.88**	**349,728,251.81**	**403,966,325.69**	**28,018,108.38**	**431,984,434.07**

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to *The Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data* document at **www.epa.gov/tri/tridata.**

Note: On-site Disposal or Other Releases include Underground Injection to Class I Wells (Section 5.4.1), RCRA Subtitle C Landfills (5.5.1A), Other Landfills (5.5.1B), Fugitive or Non-point Air Emissions (5.1), Stack or Point Source Air Emissions (5.2), Surface Water Discharges (5.3), Class II-V Wells (5.4.2), Land Treatment (5.5.2), RCRA Subtitle C Surface Impoundments (5.5.3A), Other Surface Impoundments (5.5.3B) and Other Land Disposal (5.5.4). Off-site Disposal or Other Releases include from Section 6.2 Underground Injection to Class I Wells (M81), RCRA Subtitle C Landfills (M65), Other Landfills (M64, M72), Storage Only (M10), Solidification/Stabilization - Metals and Metal Category Compounds only (M41 or M40), Wastewater Treatment (excluding POTWs) - Metals and Metal Category Compounds only (M62 or M61), RCRA Subtitle C Surface Impoundments (M66), Other Surface Impoundments (M67, M63), Land Treatment (M73), Other Land Disposal (M79), Underground Injection to Class II-V Wells (M82, M71), Other Off-site Management (M90), Transfers to Waste Broker - Disposal (M94, M91), and Unknown (M99) and, from Section 6.1, Transfers to POTWs (metals and metal category compounds only).

Does not include Off-site Disposal or Other Releases transferred to other TRI facilities that reported the amounts as on-site disposal or other releases.

TRI On-site and Off-site Disposal or Other Releases, by State, 2003: Lead and Lead Compounds

	On-site Disposal or Other Releases															
	On-site Disposal to Class I Underground Injection Wells, RCRA Subtitle C Landfills, and Other Landfills				Other On-site Disposal or Other Releases									Total On-site Disposal or Other Releases	Total Off-site Disposal or Other Releases	Total On-site and Off-site Disposal or Other Releases
State	Class I Wells	RCRA Subtitle C Landfills	Other On-site Landfills	Subtotal	Fugitive Air Emissions	Point Source Air Emissions	Surface Water Discharges	Class II-V Wells	Land Treatment	RCRA Subtitle C Surface Impoundments	Other Surface Impoundments	Other Land Disposal	Subtotal			
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
Alabama	0.00	661,000.00	2,282,570.38	2,943,570.38	19,245.84	29,468.43	6,984.22	2,900.00	8,263.52	0.00	286,368.80	28,121.48	381,352.29	3,324,922.67	580,714.96	3,905,637.63
Alaska	0.00	0.00	304.00	304.00	8,470.38	3,331.35	126.60	7,245,519.00	0.00	0.00	90,781,017.00	81,682,033.70	179,720,498.03	179,720,802.03	3,751.48	179,724,553.51
Arizona	0.00	1.00	91,536.10	91,537.10	16,062.76	14,296.84	11.01	0.00	0.00	0.00	2,045,244.37	2,588,945.16	4,664,560.14	4,756,097.24	88,240.54	4,844,337.78
Arkansas	0.00	36,006.80	44,501.83	80,508.63	1,888.14	8,393.03	1,757.74	0.00	8,899.05	0.00	18,900.00	5,721.02	45,558.98	126,067.61	285,135.35	411,202.96
California	0.00	6,222,046.47	134,546.25	6,356,592.72	4,472.87	13,013.40	1,091.09	4.50	484.58	31.70	27.70	156,058.91	175,184.75	6,531,777.47	1,411,119.97	7,942,897.44
Colorado	0.00	96.80	100,002.70	100,099.50	1,376.98	4,426.46	44.55	0.00	0.00	0.00	2,131,970.07	3,201,407.40	5,339,225.46	5,439,324.96	135,609.22	5,574,934.18
Connecticut	0.00	0.00	393.00	393.00	968.29	1,812.06	235.05	0.00	0.00	0.00	3.67	5.20	3,024.27	3,417.27	206,365.62	209,782.90
Delaware	0.00	0.00	18,808.00	18,808.00	260.61	3,460.25	279.40	0.00	0.00	0.00	2,831.00	48.00	6,879.26	25,687.26	63,827.05	89,514.31
District of Columbia	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	290.01	290.01
Florida	0.00	8.89	257,909.70	257,918.59	5,596.45	19,473.28	1,549.09	0.00	720.65	2,853.44	176,203.43	42,253.49	248,649.82	506,568.41	137,538.45	644,106.87
Georgia	0.00	1.00	16,353.27	16,354.27	6,941.05	17,935.44	1,891.67	0.26	630.60	0.00	327,148.05	335,652.23	690,199.29	706,553.56	86,871.69	793,425.25
Guam	0.00	0.00	0.00	0.00	2.60	178.92	1.00	0.00	0.00	0.00	6.40	3.40	192.32	192.32	0.00	192.32
Hawaii	0.00	0.00	0.00	0.00	770.20	4,325.84	21.24	3.50	0.00	0.00	0.00	95,737.81	100,858.59	100,858.59	6,604.50	107,463.09
Idaho	0.00	4,410,017.00	29,098.61	4,439,115.61	211.49	1,430.70	780.39	0.00	18.04	34,037.00	971,022.82	901,158.00	1,908,658.44	6,347,774.05	6,313.38	6,354,087.43
Illinois	0.00	1,259,641.60	70,197.59	1,329,839.19	14,657.04	30,536.75	7,881.00	0.00	4,342.33	0.00	235,346.99	6,015.70	298,779.80	1,628,619.00	1,191,914.44	2,820,533.43
Indiana	1,600.00	767,572.73	544,498.53	1,313,671.26	19,171.14	138,943.99	5,478.02	0.00	28,958.30	0.00	468,418.41	79,901.45	740,871.31	2,054,542.57	5,005,206.94	7,059,749.51
Iowa	0.00	0.00	18,077.70	18,077.70	2,816.31	21,960.35	1,700.07	0.00	0.00	0.00	30,661.68	3,847.07	60,985.49	79,063.19	447,104.89	526,168.07
Kansas	26.00	0.00	66,132.30	66,158.30	1,040.91	7,218.44	68.45	0.00	0.00	0.00	22,943.41	31,789.00	63,060.21	129,218.51	84,546.36	213,764.87
Kentucky	0.00	0.00	273,646.99	273,646.99	10,942.52	25,728.66	2,763.48	2,540.30	2,690.50	1,885.00	344,110.20	391,661.00	782,321.66	1,055,968.65	425,283.87	1,481,252.52
Louisiana	0.00	510,000.00	170,530.44	680,530.44	2,700.94	13,508.44	38,389.54	0.00	1,228.27	984.00	363,654.30	28,317.90	448,783.39	1,129,313.83	174,146.88	1,303,460.71
Maine	0.00	0.00	10,493.85	10,493.85	64.51	1,340.80	1,048.85	0.00	0.00	0.00	0.00	1,242.33	3,696.48	14,190.33	10,134.64	24,324.97
Maryland	0.00	0.00	82,338.70	82,338.70	630.40	4,463.50	192.38	9.00	2,285.80	0.00	1,200.00	13,482.22	22,263.30	104,602.00	93,247.96	197,849.96
Massachusetts	0.00	0.00	1,680.83	1,680.83	1,156.18	3,335.48	26.62	0.00	39.00	0.00	2,714.00	1,527.33	8,798.60	10,479.43	250,684.57	261,164.00
Michigan	1.00	213,934.80	132,028.04	345,963.84	6,982.75	41,764.04	4,034.05	0.00	268.30	0.00	87,572.90	16,088.00	156,710.04	502,673.88	502,473.82	1,005,147.71
Minnesota	0.00	0.00	164,325.30	164,325.30	1,470.86	11,206.91	987.91	0.00	982.00	0.00	38,951.80	347.23	53,946.71	218,272.01	498,856.76	717,128.76
Mississippi	253,323.50	60.00	44,667.53	298,051.03	508.39	10,121.67	2,050.48	0.00	1,650.00	0.00	15,425.66	11,758.60	41,514.79	339,565.82	212,054.01	551,619.83
Missouri	0.00	60,221.00	63,348.50	123,569.50	150,897.87	80,129.94	4,282.54	0.00	160.00	125.00	13,304,189.62	7,273,616.41	20,813,401.37	20,936,970.87	4,528,837.08	25,465,807.95
Montana	0.00	81.46	12,040,219.20	12,040,300.66	3,378.92	1,751.60	395.40	3,132.58	190.00	0.00	2,545,879.21	1,466,771.26	4,021,498.97	16,061,799.63	12,263.77	16,074,063.40
Nebraska	0.00	0.01	66,256.00	66,256.01	2,361.19	8,114.06	112.52	0.00	0.00	0.00	0.25	4,546.08	15,134.10	81,390.11	165,201.78	246,591.89
Nevada	0.00	7,937,695.30	483,858.40	8,421,553.70	2,198.71	2,597.03	66.00	1.40	0.00	0.00	4,230,134.60	29,125,782.68	33,360,780.42	41,782,334.12	109,917.82	41,892,251.94
New Hampshire	0.00	0.00	0.00	0.00	57.42	616.84	104.10	0.00	0.00	0.00	500.00	165.19	1,443.55	1,443.55	87,346.07	88,789.62
New Jersey	0.00	2,148.00	681.00	2,829.00	568.53	6,498.53	451.94	0.00	232.79	0.00	0.00	46,691.20	54,442.98	57,271.98	701,196.08	758,468.07
New Mexico	0.00	0.00	128,669.00	128,669.00	428.76	878.20	123.21	0.00	0.00	0.00	54,147.31	665,691.07	721,268.55	849,937.55	15,253.87	865,191.43
New York	0.00	539,031.47	49,061.26	588,092.73	1,635.42	17,669.55	13,243.87	0.00	22.80	0.00	0.00	60,570.80	93,142.44	681,235.17	299,072.67	980,307.85
North Carolina	0.00	0.00	106,546.84	106,546.84	4,375.50	15,515.58	2,754.02	0.00	882.73	0.00	204,651.70	268,338.66	496,518.19	603,065.03	374,436.09	977,501.12
North Dakota	0.00	0.00	31,304.80	31,304.80	18.31	7,988.68	521.19	0.00	0.00	0.00	41,867.70	471.90	50,867.78	82,172.58	61,820.93	143,993.51
Northern Marianas	0.00	0.00	0.00	0.00	1.10	0.50	0.00	0.00	0.00	0.00	1.65	0.00	3.25	3.25	0.00	3.25
Ohio	0.00	2,091,817.50	704,239.12	2,796,056.62	21,176.66	64,198.23	6,938.12	0.00	7,459.00	7,427.00	295,056.15	3,325.00	405,580.16	3,201,636.78	2,882,931.78	6,084,568.56
Oklahoma	357.00	142,049.00	33,687.43	176,093.43	1,618.85	17,037.55	454.48	0.00	677.50	0.00	2,897.82	40,150.70	62,836.89	238,930.32	122,494.16	361,424.49
Oregon	0.00	1,319,725.60	36,565.35	1,356,290.95	14,116.21	3,516.20	2,981.39	0.00	952.27	0.00	493.00	90.00	22,149.07	1,378,440.02	52,552.35	1,430,992.37
Pennsylvania	0.00	10,662.90	313,964.80	324,627.70	23,328.09	66,941.36	5,327.95	0.00	6.00	1,285,000.00	11,040.50	27,355.20	1,418,999.09	1,743,626.79	3,376,344.08	5,119,970.87
Puerto Rico	0.00	0.00	0.00	0.00	31.00	3,270.26	955.90	0.00	0.00	0.00	0.00	2,822.62	7,079.78	7,079.78	10,973.80	18,053.58
Rhode Island	0.00	0.00	0.00	0.00	36.84	40.38	14.92	0.00	0.00	0.00	0.00	0.00	92.14	92.14	16,060.81	16,152.95
South Carolina	0.00	0.00	48,105.10	48,105.10	3,534.99	13,484.17	2,578.66	0.00	27.30	0.00	81,105.40	154,072.31	254,802.83	302,907.93	158,054.34	460,962.27
South Dakota	0.00	0.00	3,299,176.38	3,299,176.38	2,629.87	134.39	673.12	0.00	0.14	0.00	163.00	5,100.00	8,700.52	3,307,876.90	1,982.77	3,309,859.67
Tennessee	0.00	45,302.00	399,984.59	445,286.59	2,961.91	17,426.21	4,608.85	0.00	2,509.70	0.00	6,057,203.00	20,771.81	6,105,481.48	6,550,768.06	310,761.62	6,861,529.68
Texas	65,062.00	304,402.85	374,852.09	744,316.94	8,712.14	57,906.98	4,388.78	0.00	3,084.90	2.00	764,083.17	195,509.18	1,033,687.16	1,778,004.10	1,110,197.94	2,888,202.03
Utah	0.00	2,966,829.34	335,502.78	3,302,332.12	2,939.52	10,644.97	280.02	0.00	1,000.00	0.00	5,918,865.74	78,006,804.34	83,940,534.59	87,242,866.71	303,335.74	87,546,202.45
Vermont	0.00	0.00	4.46	4.46	12.27	133.55	9.74	0.00	0.00	0.00	5.70	0.00	161.26	165.72	9,816.76	9,982.48
Virgin Islands	0.00	0.00	0.00	0.00	0.00	646.00	0.00	0.00	300.00	0.00	61.00	0.00	1,007.00	1,007.00	187.00	1,194.00
Virginia	0.00	0.00	154,146.60	154,146.60	5,891.49	21,744.93	1,811.88	0.00	3,036.62	0.00	62,880.50	121,290.87	216,656.29	370,802.89	450,167.12	820,970.01
Washington	0.00	633,001.37	7,358.84	640,360.21	720.60	4,119.99	2,572.32	0.00	25.03	0.00	153,603.00	111,329.94	272,370.88	912,731.09	90,676.41	1,003,407.50
West Virginia	0.00	178.00	416,841.43	417,019.43	523.10	6,415.65	2,885.00	86.88	11,824.00	0.00	240,302.48	14,908.02	276,945.13	693,964.56	298,583.69	992,548.25
Wisconsin	0.00	927.10	32,758.40	33,685.50	4,572.00	14,573.62	1,219.35	0.00	0.00	0.00	4.79	36,428.71	56,798.47	90,483.96	540,141.91	630,625.87
Wyoming	0.00	0.00	101,470.36	101,470.36	2,139.38	5,414.25	17.01	0.00	19.60	1,412.00	34,266.50	6,025.30	49,294.04	150,764.40	19,462.56	170,226.96
Total	**320,369.50**	**30,134,460.01**	**23,783,244.37**	**54,238,073.88**	**389,276.27**	**881,084.19**	**139,166.18**	**7,254,197.42**	**93,871.32**	**1,333,757.14**	**132,355,146.43**	**207,281,752.88**	**349,728,251.81**	**403,966,325.69**	**28,018,108.38**	**431,984,434.07**

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to *The Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data* document at **www.epa.gov/tri/tridata.**

Note: On-site Disposal or Other Releases include Underground Injection to Class I Wells (Section 5.4.1), RCRA Subtitle C Landfills (5.5.1A), Other Landfills (5.5.1B), Fugitive or Non-point Air Emissions (5.1), Stack or Point Source Air Emissions (5.2), Surface Water Discharges (5.3), Class II-V Wells (5.4.2), Land Treatment (5.5.2), RCRA Subtitle C Surface Impoundments (5.5.3A), Other Surface Impoundments (5.5.3B) and Other Land Disposal (5.5.4). Off-site Disposal or Other Releases include from Section 6.2 Underground Injection to Class I Wells (M81), RCRA Subtitle C Landfills (M65), Other Landfills (M64, M72), Storage Only (M10), Solidification/Stabilization - Metals and Metal Category Compounds only (M41 or M40), Wastewater Treatment (excluding POTWs) - Metals and Metal Category Compounds only (M62 or M61), RCRA Subtitle C Surface Impoundments (M66), Other Surface Impoundments (M67, M63), Land Treatment (M73), Other Land Disposal (M79), Underground Injection to Class II-V Wells (M82, M71), Other Off-site Management (M90), Transfers to Waste Broker - Disposal (M94, M91), and Unknown (M99) and, from Section 6.1, Transfers to POTWs (metals and metal category compounds only).

Does not include Off-site Disposal or Other Releases transferred to other TRI facilities that reported the amounts as on-site disposal or other releases.

TRI On-site and Off-site Disposal or Other Releases, by Industry, 2003: Mercury and Mercury Compound

SIC Code	Industry	On-site Disposal or Other Releases															
		On-site Disposal to Class I Underground Injection Wells, RCRA Subtitle C Landfills, and Other Landfills				Other On-site Disposal or Other Releases									Total On-site Disposal or Other Releases	Total Off-site Disposal or Other Releases	Total On-site and Off-site Disposal or Other Releases
		Class I Wells	RCRA Subtitle C Landfills	Other On-site Landfills	Subtotal	Fugitive Air Emissions	Point Source Air Emissions	Surface Water Discharges	Class II-V Wells	Land Treatment	RCRA Subtitle C Surface Impoundments	Other Surface Impoundments	Other Land Disposal	Subtotal			
		Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
10	Metal Mining	0.00	0.00	620.10	620.10	234.40	4,604.59	15.56	6,252.50	6.30	0.00	1,438,539.99	5,289,319.12	6,738,972.46	6,739,592.56	45.41	6,739,637.97
12	Coal Mining	0.00	0.00	2,288.86	2,288.86	1.61	7.75	6.24	5.66	912.70	0.00	776.43	1,602.64	3,313.03	5,601.89	11.70	5,613.59
20	Food	0.00	0.00	0.00	0.00	6.99	614.01	0.00	0.00	0.00	0.00	0.00	30.92	651.92	651.92	1,147.86	1,799.78
21	Tobacco	0.00	0.00	0.00	0.00	0.00	119.40	2.00	0.00	0.00	0.00	0.00	0.00	121.40	121.40	140.90	262.30
22	Textiles	0.00	0.00	0.00	0.00	0.00	33.00	0.00	0.00	0.00	0.00	0.00	0.00	33.00	33.00	0.00	33.00
24	Lumber	0.00	0.00	10.04	10.04	0.00	26.14	0.77	0.00	0.00	0.00	0.00	0.00	26.91	36.95	16.50	53.45
25	Furniture	0.00	0.00	0.00	0.00	0.00	0.00	22.64	0.00	0.00	0.00	0.00	0.00	22.64	22.64	0.00	22.64
26	Paper	0.00	0.51	446.67	447.19	2.30	1,972.60	75.65	0.00	15.92	0.00	258.57	0.11	2,325.14	2,772.33	557.63	3,329.96
28	Chemicals	1,155.30	201.53	3,833.31	5,190.14	8,559.58	5,093.87	295.83	0.03	2.06	1.00	9,693.02	311.25	23,956.63	29,146.77	7,834.47	36,981.24
29	Petroleum	111.95	0.00	3.12	115.07	44.60	1,731.76	97.78	2.56	97.55	0.00	15.09	105.97	2,095.31	2,210.38	1,298.68	3,509.06
30	Plastics	0.00	0.00	0.00	0.00	1.00	10.99	0.00	0.00	0.00	0.00	0.00	0.01	12.00	12.00	135.25	147.25
32	Stone/Clay/Glass	0.00	0.00	1,349.10	1,349.10	37.61	15,357.84	81.84	4.04	0.00	0.00	118.00	382.02	15,981.35	17,330.45	270.18	17,600.63
33	Primary Metals	0.54	851.00	1,950.88	2,802.42	443.79	10,301.46	139.62	0.00	6.00	0.00	872.00	126.80	11,889.68	14,692.10	11,714.68	26,406.78
34	Fabricated Metals	0.00	0.00	9.20	9.20	0.00	1.90	21.40	0.00	0.00	0.00	0.00	0.00	23.30	32.50	1,138.10	1,170.60
35	Machinery	0.00	0.00	0.00	0.00	0.00	70.40	0.00	0.00	0.00	0.00	0.00	0.00	70.40	70.40	3.67	74.07
36	Electrical Equip.	0.00	0.00	0.00	0.00	105.03	213.47	0.80	0.00	0.00	0.00	0.00	0.00	319.29	319.29	4,219.10	4,538.39
37	Transportation Equip.	0.00	0.00	0.00	0.00	1.24	35.22	1.07	0.00	0.00	0.00	0.00	0.00	37.53	37.53	4.37	41.90
38	Measure/Photo.	0.00	1.49	0.00	1.49	36.21	61.55	2.50	0.00	0.00	0.00	0.00	0.00	100.26	101.75	1,166.70	1,268.45
39	Miscellaneous	0.00	0.00	0.00	0.00	9.00	1.06	0.00	0.00	0.00	0.00	0.00	0.00	10.06	10.06	0.90	10.96
491/493	Electric Utilities	0.00	5.60	24,924.54	24,930.14	65.25	90,676.81	1,981.41	0.20	147.74	41.80	13,421.36	1,064.26	107,398.84	132,328.98	18,737.19	151,066.17
5169	Chemical Wholesale Distributors	0.00	0.00	0.00	0.00	0.00	1.20	0.00	0.00	0.00	0.00	0.00	0.00	1.20	1.20	65.11	66.31
5171	Petroleum Terminals/Bulk Storage	0.00	0.00	0.00	0.00	3.89	2.84	0.08	0.00	0.00	0.00	0.00	0.00	6.80	6.80	0.27	7.08
7389/4953	Hazardous Waste/Solvent Recovery	55.00	257,152.20	105.70	257,312.90	34.82	2,190.88	1.50	0.00	0.00	23.00	0.00	0.00	2,250.20	259,563.10	145,487.92	405,051.02
--	No codes	0.00	0.00	6.20	6.20	1.73	90.19	1.43	0.00	0.00	0.00	4.28	566.18	663.80	670.00	2,133.93	2,803.94
	Total	**1,322.79**	**258,212.33**	**35,547.72**	**295,082.85**	**9,589.05**	**133,218.93**	**2,748.10**	**6,264.99**	**1,188.27**	**65.80**	**1,463,698.74**	**5,293,509.28**	**6,910,283.16**	**7,205,366.00**	**196,130.52**	**7,401,496.53**

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to *The Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data* document at **www.epa.gov/tri/tridata.**

Note: On-site Disposal or Other Releases include Underground Injection to Class I Wells (Section 5.4.1), RCRA Subtitle C Landfills (5.5.1A), Other Landfills (5.5.1B), Fugitive or Non-point Air Emissions (5.1), Stack or Point Source Air Emissions (5.2), Surface Water Discharges (5.3), Class II-V Wells (5.4.2), Land Treatment (5.5.2), RCRA Subtitle C Surface Impoundments (5.5.3A), Other Surface Impoundments (5.5.3B) and Other Land Disposal (5.5.4). Off-site Disposal or Other Releases include from Section 6.2 Underground Injection to Class I Wells (M81), RCRA Subtitle C Landfills (M65), Other Landfills (M64, M72), Storage Only (M10), Solidification/Stabilization - Metals and Metal Category Compounds only (M41 or M40), Wastewater Treatment (excluding POTWs) - Metals and Metal Category Compounds only (M62 or M61), RCRA Subtitle C Surface Impoundments (M66), Other Surface Impoundments (M67, M63), Land Treatment (M73), Other Land Disposal (M79), Underground Injection to Class II-V Wells (M82, M71), Other Off-site Management (M90), Transfers to Waste Broker - Disposal (M94, M91), and Unknown (M99) and, from Section 6.1, Transfers to POTWs (metals and metal category compounds only).

Does not include Off-site Disposal or Other Releases transferred to other TRI facilities that reported the amounts as on-site disposal or other releases.

TRI On-site and Off-site Disposal or Other Releases, by State, 2003: Mercury and Mercury Compounds

	On-site Disposal or Other Releases															
	On-site Disposal to Class I Underground Injection Wells, RCRA Subtitle C Landfills, and Other Landfills				Other On-site Disposal or Other Releases									Total On-site Disposal or Other Releases	Total Off-site Disposal or Other Releases	Total On-site and Off-site Disposal or Other Releases
State	Class I Wells	RCRA Subtitle C Landfills	Other On-site Landfills	Subtotal	Fugitive Air Emissions	Point Source Air Emissions	Surface Water Discharges	Class II-V Wells	Land Treatment	RCRA Subtitle C Surface Impoundments	Other Surface Impoundments	Other Land Disposal	Subtotal			
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
Alabama	0.00	95,000.00	376.61	95,376.61	1,075.58	5,355.71	58.68	5.00	1.70	0.00	1,254.70	194.10	7,945.47	103,322.08	4,359.37	107,681.45
Alaska	0.00	0.00	5.90	5.90	11.30	199.30	0.40	6,246.00	0.00	0.00	63,668.19	36,981.37	107,106.56	107,112.46	4.42	107,116.88
Arizona	0.00	0.00	392.00	392.00	43.46	1,823.78	0.00	0.00	0.00	0.00	3,347.43	2,782.44	7,997.11	8,389.11	1,000.08	9,389.19
Arkansas	0.00	0.00	68.27	68.27	0.41	1,334.76	4.79	0.00	2.20	1.00	10.60	0.27	1,354.02	1,422.29	87.06	1,509.35
California	0.00	130,252.40	585.80	130,838.20	29.96	4,676.63	2.71	0.16	0.00	0.80	0.00	29.30	4,739.57	135,577.77	24,691.35	160,269.12
Colorado	0.00	0.00	654.13	654.13	36.70	756.71	1.08	0.00	0.00	0.00	9.10	1,781.80	2,585.39	3,239.52	468.60	3,708.12
Connecticut	0.00	0.00	0.00	0.00	6.62	110.87	0.32	0.00	0.00	0.00	0.00	0.00	117.81	117.81	5,148.52	5,266.33
Delaware	0.00	0.00	374.90	374.90	747.00	338.80	16.31	0.00	0.00	0.00	32.00	0.00	1,134.11	1,509.01	2,174.33	3,683.34
District of Columbia	0.00	0.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.50	0.50	0.00	0.50
Florida	0.00	0.00	2,958.70	2,958.70	2.11	3,269.94	15.14	0.00	0.10	0.00	1,035.34	161.04	4,483.67	7,442.37	281.48	7,723.85
Georgia	0.00	0.00	2.59	2.59	563.33	3,389.54	36.23	0.03	0.74	0.00	1,150.18	0.01	5,140.07	5,142.66	42.81	5,185.47
Hawaii	0.00	0.00	0.00	0.00	0.00	367.18	3.75	2.60	0.00	0.00	0.00	0.00	373.53	373.53	38.12	411.65
Idaho	0.00	322.00	614.00	936.00	0.01	620.42	0.00	0.00	0.00	0.00	323.00	429.40	1,372.83	2,308.83	0.00	2,308.83
Illinois	0.00	23.00	1,786.27	1,809.27	16.53	7,005.99	18.92	0.00	56.95	0.00	514.60	110.00	7,723.00	9,532.27	84,990.87	94,523.14
Indiana	0.54	813.00	1,208.66	2,022.20	30.01	9,384.45	194.40	0.00	159.22	0.00	831.16	112.05	10,711.27	12,733.47	2,142.01	14,875.48
Iowa	0.00	0.00	56.60	56.60	0.16	3,216.14	6.15	0.00	0.00	0.00	82.00	4.60	3,309.05	3,365.65	806.60	4,172.25
Kansas	0.00	0.00	92.70	92.70	1.04	2,817.00	0.54	0.00	0.00	0.00	216.10	0.00	3,034.68	3,127.38	195.95	3,323.33
Kentucky	0.00	0.00	1,108.46	1,108.46	39.90	3,597.85	71.75	4.04	8.60	9.80	1,150.40	581.00	5,463.34	6,571.80	291.23	6,863.03
Louisiana	0.00	11,000.00	75.23	11,075.23	1,908.08	2,613.46	63.53	0.00	0.10	0.00	2,121.52	0.20	6,706.89	17,782.12	9,339.83	27,121.95
Maine	0.00	0.00	31.30	31.30	0.00	90.11	1.53	0.00	0.00	0.00	0.00	0.00	91.64	122.94	12.23	135.17
Maryland	0.00	0.00	18.50	18.50	1.24	1,863.60	0.22	0.11	511.00	0.00	64.00	0.10	2,440.27	2,458.77	491.84	2,950.61
Massachusetts	0.00	0.00	0.00	0.00	0.00	209.60	0.37	0.00	0.00	0.00	4.30	0.00	214.27	214.27	3,009.73	3,224.00
Michigan	0.00	0.00	424.84	424.84	3.38	2,876.70	25.38	0.00	0.00	0.00	471.90	88.60	3,465.96	3,890.80	460.84	4,351.64
Minnesota	0.00	0.51	786.20	786.71	40.03	1,846.34	0.32	0.00	0.00	0.00	137.70	1.40	2,025.79	2,812.50	457.46	3,269.96
Mississippi	1,155.30	4.60	224.60	1,384.50	0.15	872.37	128.15	0.00	0.00	0.00	5,471.70	0.00	6,472.36	7,856.86	68.45	7,925.31
Missouri	0.00	2.49	165.30	167.79	1.35	3,953.87	5.70	0.00	0.00	0.00	315.63	122.34	4,398.89	4,566.68	2,819.75	7,386.43
Montana	0.00	0.00	704.80	704.80	1.16	1,061.83	0.51	5.10	4.30	0.00	9.70	449.00	1,531.59	2,236.39	46.20	2,282.59
Nebraska	0.00	0.00	1,003.86	1,003.86	7.17	560.28	0.01	0.00	0.00	0.00	0.00	5.90	573.36	1,577.22	4,588.88	6,166.10
Nevada	0.00	4,089.00	456.10	4,545.10	162.65	4,645.08	9.10	1.40	0.00	0.00	1,370,398.60	5,234,558.40	6,609,775.23	6,614,320.33	0.06	6,614,320.39
New Hampshire	0.00	0.00	0.00	0.00	0.00	136.90	0.00	0.00	0.00	0.00	5.00	0.00	141.91	141.91	41.28	183.19
New Jersey	0.00	6.00	0.00	6.00	1.12	1,314.59	9.60	0.00	0.00	0.00	0.00	39.00	1,364.31	1,370.31	1,159.61	2,529.92
New Mexico	0.95	0.00	918.60	919.55	2.74	1,352.19	1.30	0.00	0.00	0.00	93.29	1,079.50	2,529.02	3,448.57	51.29	3,499.86
New York	0.00	801.90	796.00	1,597.90	0.14	1,785.90	144.73	0.00	0.00	0.00	0.00	0.70	1,931.47	3,529.37	931.36	4,460.73
North Carolina	0.00	0.00	777.30	777.30	248.01	3,875.67	23.96	0.00	0.00	0.00	768.90	10.00	4,926.54	5,703.84	546.55	6,250.39
North Dakota	0.00	0.00	103.40	103.40	0.10	2,546.13	0.30	0.00	0.00	0.00	132.10	0.00	2,678.63	2,782.03	417.42	3,199.45
Ohio	55.00	0.00	1,870.06	1,925.06	1,218.94	9,180.27	24.05	0.00	50.10	32.00	1,753.77	2.15	12,261.28	14,186.34	7,816.22	22,002.55
Oklahoma	0.00	8,805.00	72.30	8,877.30	7.51	1,651.41	4.79	0.00	5.00	0.00	44.91	3.90	1,717.52	10,594.82	616.52	11,211.34
Oregon	0.00	1,340.20	25.45	1,365.65	10.78	793.06	0.56	0.00	0.32	0.00	0.00	0.00	804.72	2,170.37	143.57	2,313.94
Pennsylvania	0.00	0.10	4,900.41	4,900.51	30.55	10,345.20	72.09	0.00	10.70	22.20	173.00	1,471.70	12,125.43	17,025.95	9,577.03	26,602.98
Puerto Rico	0.00	0.00	0.00	0.00	0.10	455.72	9.28	0.00	0.00	0.00	0.00	0.00	465.11	465.11	36.97	502.07
Rhode Island	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	2.50
South Carolina	0.00	0.00	261.28	261.28	109.84	1,943.19	1,563.49	0.00	0.00	0.00	842.30	0.29	4,459.10	4,720.38	177.34	4,897.72
South Dakota	0.00	0.00	597.47	597.47	0.13	230.75	0.00	0.00	0.00	0.00	0.10	0.00	230.98	828.45	1.00	829.45
Tennessee	0.00	183.53	1,324.11	1,507.64	1,048.04	2,550.12	78.21	0.00	0.00	0.00	552.90	58.91	4,288.18	5,795.82	11,140.40	16,936.21
Texas	111.00	1,611.00	3,924.17	5,646.17	48.90	13,448.60	55.08	0.00	1.00	0.00	2,709.61	154.00	16,417.19	22,063.36	5,574.58	27,637.94
Utah	0.00	3,948.60	1,230.62	5,179.22	27.02	1,015.49	27.90	0.00	12.30	0.00	1,717.30	12,117.01	14,917.02	20,096.24	3,712.59	23,808.83
Vermont	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Virgin Islands	0.00	0.00	0.00	0.00	0.00	202.00	0.00	0.00	2.00	0.00	3.00	0.00	207.00	207.00	70.00	277.00
Virginia	0.00	0.00	847.90	847.90	0.71	2,298.26	29.17	0.00	0.00	0.00	351.60	25.83	2,705.57	3,553.47	718.27	4,271.74
Washington	0.00	0.00	0.30	0.30	0.10	320.18	8.83	0.00	65.54	0.00	215.00	32.00	641.66	641.95	1,128.10	1,770.05
West Virginia	0.00	9.00	3,211.33	3,220.33	1,048.37	4,295.15	24.20	0.55	295.30	0.00	1,575.83	15.39	7,254.79	10,475.12	1,219.42	11,694.54
Wisconsin	0.00	0.00	72.26	72.26	1,055.77	2,705.01	4.56	0.00	1.00	0.00	0.03	25.81	3,792.20	3,864.46	2,962.35	6,826.80
Wyoming	0.00	0.00	438.44	438.44	0.85	1,914.31	0.00	0.00	0.10	0.00	140.25	79.77	2,135.29	2,573.73	68.11	2,641.84
Total	**1,322.79**	**258,212.33**	**35,547.72**	**295,082.85**	**9,589.05**	**133,218.93**	**2,748.10**	**6,264.99**	**1,188.27**	**65.80**	**1,463,698.74**	**5,293,509.28**	**6,910,283.16**	**7,205,366.00**	**196,130.52**	**7,401,496.53**

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to *The Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data* document at **www.epa.gov/tri/tridata.**

Note: On-site Disposal or Other Releases include Underground Injection to Class I Wells (Section 5.4.1), RCRA Subtitle C Landfills (5.5.1A), Other Landfills (5.5.1B), Fugitive or Non-point Air Emissions (5.1), Stack or Point Source Air Emissions (5.2), Surface Water Discharges (5.3), Class II-V Wells (5.4.2), Land Treatment (5.5.2), RCRA Subtitle C Surface Impoundments (5.5.3A), Other Surface Impoundments (5.5.3B) and Other Land Disposal (5.5.4). Off-site Disposal or Other Releases include from Section 6.2 Underground Injection to Class I Wells (M81), RCRA Subtitle C Landfills (M65), Other Landfills (M64, M72), Storage Only (M10), Solidification/Stabilization - Metals and Metal Category Compounds only (M41 or M40), Wastewater Treatment (excluding POTWs) - Metals and Metal Category Compounds only (M62 or M61), RCRA Subtitle C Surface Impoundments (M66), Other Surface Impoundments (M67, M63), Land Treatment (M73), Other Land Disposal (M79), Underground Injection to Class II-V Wells (M82, M71), Other Off-site Management (M90), Transfers to Waste Broker - Disposal (M94, M91), and Unknown (M99) and, from Section 6.1, Transfers to POTWs (metals and metal category compounds only).

Does not include Off-site Disposal or Other Releases transferred to other TRI facilities that reported the amounts as on-site disposal or other releases.

TRI On-site and Off-site Disposal or Other Releases, by Industry, 2003: Dioxin and Dioxin-like Compounc

SIC Code	Industry	On-site Disposal or Other Releases															
		On-site Disposal to Class I Underground Injection Wells, RCRA Subtitle C Landfills, and Other Landfills				Other On-site Disposal or Other Releases									Total On-site Disposal or Other Releases	Total Off-site Disposal or Other Releases	Total On-site and Off-site Disposal or Other Releases
		Class I Wells	RCRA Subtitle C Landfills	Other On-site Landfills	Subtotal	Fugitive Air Emissions	Point Source Air Emissions	Surface Water Discharges	Class II-V Wells	Land Treatment	RCRA Subtitle C Surface Impoundments	Other Surface Impoundments	Other Land Disposal	Subtotal			
		Grams	Grams	Grams	Grams	Grams	Grams	Grams	Grams	Grams	Grams	Grams	Grams	Grams	Grams	Grams	Grams
10	Metal Mining	0.000	0.000	0.000	0.000	10.092	0.955	0.095	0.000	0.000	0.000	2.150	0.000	13.293	13.293	0.000	13.293
20	Food	0.000	0.000	0.000	0.000	0.000	11.821	0.000	0.000	0.107	0.000	0.000	0.000	11.927	11.927	0.000	11.927
21	Tobacco	0.000	0.000	0.000	0.000	0.000	0.270	0.000	0.000	0.000	0.000	0.000	0.000	0.270	0.270	0.000	0.270
22	Textiles	0.000	0.000	0.000	0.000	0.000	0.630	0.000	0.000	0.000	0.000	0.000	0.000	0.630	0.630	0.000	0.630
24	Lumber	0.000	0.000	144.106	144.106	3.433	713.204	1,830.015	0.000	0.337	0.000	0.099	0.003	2,547.091	2,691.197	137,888.418	140,579.615
25	Furniture	0.000	0.000	0.000	0.000	0.000	87.496	0.000	0.000	0.000	0.000	0.000	0.000	87.496	87.496	0.000	87.496
26	Paper	0.000	0.000	167.496	167.496	0.128	118.529	97.253	0.000	14.547	1.573	26.241	0.929	259.200	426.696	157.419	584.115
28	Chemicals	442.770	35,273.531	21,098.118	56,814.419	58.281	204.756	864.184	81.000	0.000	0.000	808.966	0.080	2,017.267	58,831.686	59,820.017	118,651.703
29	Petroleum	0.000	0.010	5.900	5.910	4.020	22.368	5.513	0.000	4.749	0.000	0.000	0.000	36.650	42.560	10.692	53.252
30	Plastics	0.000	0.000	0.000	0.000	0.000	1.489	0.000	0.000	0.000	0.000	0.000	0.000	1.489	1.489	0.280	1.769
32	Stone/Clay/Glass	0.000	0.000	14.677	14.677	0.000	885.165	8.670	0.000	0.000	0.000	0.690	2.960	897.485	912.162	0.000	912.162
33	Primary Metals	0.000	31.250	322.170	353.420	11.012	241.057	0.030	0.000	0.000	0.000	4,300.120	0.000	4,552.219	4,905.639	1,454.550	6,360.189
34	Fabricated Metals	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
35	Machinery	0.000	0.000	0.000	0.000	0.000	0.248	0.000	0.000	0.000	0.000	0.000	0.000	0.248	0.248	0.000	0.248
36	Electrical Equip.	0.000	0.000	0.000	0.000	0.000	0.080	0.000	0.000	0.000	0.000	0.000	0.000	0.080	0.080	0.000	0.080
37	Transportation Equip.	0.000	0.000	0.000	0.000	0.022	0.743	0.000	0.000	0.000	0.000	0.000	0.000	0.765	0.765	0.015	0.780
38	Measure/Photo.	0.000	0.000	0.000	0.000	0.220	2.800	4.000	0.000	0.000	0.000	0.000	0.000	7.020	7.020	0.432	7.452
491/493	Electric Utilities	0.000	0.000	791.328	791.328	1.449	818.692	0.007	0.000	0.000	0.000	0.000	0.116	820.264	1,611.591	31.995	1,643.586
5169	Chemical Wholesale Distributors	0.000	0.000	0.000	0.000	0.000	4.169	0.000	0.000	0.000	0.000	0.000	0.000	4.169	4.169	0.000	4.169
7389/4953	Hazardous Waste/Solvent Recovery	0.000	103.146	0.000	103.146	0.000	6.976	0.000	0.000	0.000	0.000	0.000	0.000	6.976	110.122	12.238	122.360
--	No codes	0.000	0.000	0.000	0.000	0.000	2.175	0.048	0.000	0.000	0.000	0.000	0.000	2.223	2.223	0.000	2.223
	Total	**442.770**	**35,407.937**	**22,543.795**	**58,394.502**	**88.658**	**3,123.622**	**2,809.817**	**81.000**	**19.739**	**1.573**	**5,138.266**	**4.087**	**11,266.761**	**69,661.263**	**199,376.055**	**269,037.319**

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to *The Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data* document at **www.epa.gov/tri/tridata.**

Note: On-site Disposal or Other Releases include Underground Injection to Class I Wells (Section 5.4.1), RCRA Subtitle C Landfills (5.5.1A), Other Landfills (5.5.1B), Fugitive or Non-point Air Emissions (5.1), Stack or Point Source Air Emissions (5.2), Surface Water Discharges (5.3), Class II-V Wells (5.4.2), Land Treatment (5.5.2), RCRA Subtitle C Surface Impoundments (5.5.3A), Other Surface Impoundments (5.5.3B) and Other Land Disposal (5.5.4). Off-site Disposal or Other Releases include from Section 6.2 Underground Injection to Class I Wells (M81), RCRA Subtitle C Landfills (M65), Other Landfills (M64, M72), Storage Only (M10), Solidification/Stabilization - Metals and Metal Category Compounds only (M41 or M40), Wastewater Treatment (excluding POTWs) - Metals and Metal Category Compounds only (M62 or M61), RCRA Subtitle C Surface Impoundments (M66), Other Surface Impoundments (M67, M63), Land Treatment (M73), Other Land Disposal (M79), Underground Injection to Class II-V Wells (M82, M71), Other Off-site Management (M90), Transfers to Waste Broker - Disposal (M94, M91), and Unknown (M99) and, from Section 6.1, Transfers to POTWs (metals and metal category compounds only).

Does not include Off-site Disposal or Other Releases transferred to other TRI facilities that reported the amounts as on-site disposal or other releases.

TRI On-site and Off-site Disposal or Other Releases, by State, 2003: Dioxin and Dioxin-like Compounds

	On-site Disposal or Other Releases															
	On-site Disposal to Class I Underground Injection Wells, RCRA Subtitle C Landfills, and Other Landfills				Other On-site Disposal or Other Releases											
State	Class I Wells	RCRA Subtitle C Landfills	Other On-site Landfills	Subtotal	Fugitive Air Emissions	Point Source Air Emissions	Surface Water Discharges	Class II-V Wells	Land Treatment	RCRA Subtitle C Surface Impoundments	Other Surface Impoundments	Other Land Disposal	Subtotal	Total On-site Disposal or Other Releases	Total Off-site Disposal or Other Releases	Total On-site and Off-site Disposal or Other Releases
	Grams	Grams	Grams	Grams	Grams	Grams	Grams	Grams	Grams	Grams	Grams	Grams	Grams	Grams	Grams	Grams
Alabama	0.000	0.000	48.477	48.477	0.421	60.754	149.727	0.000	0.000	0.000	0.905	0.000	211.807	260.284	82.904	343.188
Alaska	0.000	0.000	0.000	0.000	8.270	0.631	0.049	0.000	0.000	0.000	0.000	0.000	8.950	8.950	0.000	8.950
Arizona	0.000	0.000	0.000	0.000	0.180	15.203	0.000	0.000	0.000	0.000	0.016	0.000	15.398	15.398	25.190	40.588
Arkansas	0.000	0.000	12.145	12.145	0.001	28.153	49.487	0.000	3.352	0.000	0.101	0.080	81.174	93.320	1.136	94.456
California	0.000	90.900	0.000	90.900	0.005	18.266	1.033	0.000	0.007	0.000	0.000	0.000	19.311	110.211	102.917	213.128
Colorado	0.000	0.000	0.000	0.000	0.620	5.386	0.074	0.000	0.000	0.000	0.000	0.000	6.080	6.080	0.674	6.754
Connecticut	0.000	0.000	0.000	0.000	0.610	5.237	0.040	0.000	0.000	0.000	0.000	0.000	5.887	5.887	1.100	6.987
Delaware	0.000	0.000	0.000	0.000	0.000	4.447	0.747	0.000	0.000	0.000	0.660	0.000	5.854	5.854	41,096.843	41,102.696
Florida	0.000	0.000	0.588	0.588	0.023	76.796	2.297	0.000	0.590	1.573	5.764	0.000	87.043	87.631	0.380	88.011
Georgia	0.000	0.000	146.315	146.315	0.401	33.481	13.168	0.000	0.000	0.000	511.773	0.640	559.463	705.778	0.412	706.190
Guam	0.000	0.000	0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.000	0.001
Hawaii	0.000	0.000	0.000	0.000	0.000	4.129	0.000	0.000	0.000	0.000	0.000	0.000	4.129	4.129	0.889	5.018
Idaho	0.000	0.000	0.004	0.004	0.000	1.044	4.183	0.000	0.107	0.000	0.000	0.000	5.334	5.338	24.799	30.137
Illinois	0.000	0.000	0.000	0.000	0.000	32.869	8.711	0.000	0.000	0.000	0.000	0.000	41.580	41.580	35.586	77.166
Indiana	0.000	30.000	0.600	30.600	1.120	72.920	0.016	0.000	0.000	0.000	0.133	0.000	74.189	104.789	411.746	516.535
Iowa	0.000	0.000	0.000	0.000	0.000	18.392	0.000	0.000	0.000	0.000	0.000	0.000	18.392	18.392	0.000	18.392
Kansas	442.680	0.000	1.700	444.380	55.240	14.667	0.000	0.000	0.000	0.000	0.000	0.000	69.907	514.287	0.000	514.287
Kentucky	0.000	0.000	249.731	249.731	0.880	32.873	0.023	0.000	0.000	0.000	0.069	0.000	33.845	283.576	2,326.501	2,610.076
Louisiana	0.090	12.430	1,418.062	1,430.582	0.224	95.050	1,708.536	0.000	0.057	0.000	0.284	0.003	1,804.154	3,234.737	138,472.351	141,707.088
Maine	0.000	0.000	0.509	0.509	0.000	7.884	0.200	0.000	0.000	0.000	0.000	0.000	8.084	8.593	1.352	9.945
Maryland	0.000	0.000	174.650	174.650	0.116	12.055	0.320	0.000	0.000	0.000	0.000	0.000	12.491	187.141	0.356	187.497
Massachusetts	0.000	0.000	0.000	0.000	0.000	10.438	0.153	0.000	0.000	0.000	0.000	0.000	10.591	10.591	0.355	10.946
Michigan	0.000	16,253.500	2.177	16,255.677	0.000	16.161	0.894	0.000	0.000	0.000	0.000	0.000	17.055	16,272.732	160.210	16,432.942
Minnesota	0.000	0.000	787.326	787.326	4.390	6.273	0.000	0.000	0.000	0.000	0.000	0.000	10.662	797.988	218.404	1,016.392
Mississippi	0.000	0.000	15,044.849	15,044.849	0.088	12.164	274.716	0.000	10.416	0.000	298.000	0.159	595.543	15,640.392	5.435	15,645.827
Missouri	0.000	1.250	0.000	1.250	0.009	41.567	0.460	0.000	0.000	0.000	0.690	0.000	42.726	43.976	0.127	44.104
Montana	0.000	0.000	0.000	0.000	0.000	5.502	0.000	0.000	0.000	0.000	0.071	0.000	5.573	5.573	0.059	5.632
Nebraska	0.000	0.000	0.000	0.000	0.000	2.325	0.000	0.000	0.000	0.000	0.000	0.000	2.325	2.325	0.000	2.325
Nevada	0.000	0.006	0.000	0.006	0.930	8.039	0.000	0.000	0.000	0.000	0.000	0.000	8.969	8.975	0.000	8.975
New Hampshire	0.000	0.000	0.000	0.000	0.000	176.402	0.000	0.000	0.000	0.000	0.000	0.116	176.518	176.518	0.000	176.518
New Jersey	0.000	1.201	0.000	1.201	0.184	16.581	0.218	0.000	0.000	0.000	0.000	0.000	16.983	18.184	23.332	41.516
New Mexico	0.000	0.000	0.000	0.000	0.000	2.795	0.000	0.000	0.000	0.000	0.000	0.000	2.795	2.795	0.000	2.795
New York	0.000	3.100	0.071	3.171	0.220	42.555	4.673	0.000	0.000	0.000	0.000	0.000	47.448	50.619	10.605	61.223
North Carolina	0.000	0.000	84.277	84.277	0.265	798.984	2.673	0.000	0.053	0.000	0.000	0.000	801.975	886.252	1.577	887.829
North Dakota	0.000	0.000	5.900	5.900	0.090	6.788	0.000	0.000	0.000	0.000	0.000	0.000	6.878	12.778	0.000	12.778
Ohio	0.000	0.340	144.777	145.117	5.025	41.133	0.496	0.000	0.038	0.000	0.000	2.960	49.652	194.769	160.535	355.304
Oklahoma	0.000	0.000	9.284	9.284	0.000	16.520	0.283	0.000	0.001	0.000	0.000	0.000	16.804	26.088	47.802	73.890
Oregon	0.000	0.000	0.250	0.250	2.873	8.237	0.698	0.000	0.185	0.000	0.004	0.000	11.997	12.247	0.485	12.732
Pennsylvania	0.000	0.000	0.014	0.014	0.031	57.873	0.940	0.000	0.186	0.000	2.723	0.000	61.752	61.767	207.447	269.214
Puerto Rico	0.000	0.000	0.000	0.000	0.000	15.264	0.006	0.000	0.000	0.000	0.000	0.000	15.270	15.270	0.250	15.519
South Carolina	0.000	0.000	0.488	0.488	0.015	34.923	7.062	0.000	0.000	0.000	13.843	0.000	55.843	56.331	1.917	58.249
South Dakota	0.000	0.000	0.000	0.000	0.000	4.792	0.000	0.000	0.000	0.000	0.000	0.000	4.792	4.792	111.878	116.671
Tennessee	0.000	5.000	1,590.819	1,595.819	1.141	29.616	19.839	0.000	0.000	0.000	0.031	0.000	50.627	1,646.446	198.597	1,845.042
Texas	0.000	19,010.210	2,809.524	21,819.734	1.820	887.583	531.640	81.000	0.000	0.000	3.080	0.003	1,505.126	23,324.860	15,471.680	38,796.540
Utah	0.000	0.000	6.618	6.618	0.100	54.702	0.000	0.000	0.000	0.000	4,300.120	0.000	4,354.922	4,361.540	0.000	4,361.540
Virgin Islands	0.000	0.000	0.000	0.000	0.000	1.220	1.100	0.000	0.000	0.000	0.000	0.000	2.320	2.320	0.000	2.320
Virginia	0.000	0.000	1.429	1.429	2.961	186.122	2.266	0.000	0.000	0.000	0.000	0.000	191.350	192.779	2.053	194.832
Washington	0.000	0.000	1.276	1.276	0.145	15.627	8.724	0.000	4.747	0.000	0.000	0.111	29.354	30.630	145.073	175.703
West Virginia	0.000	0.000	0.000	0.000	0.260	45.583	14.249	0.000	0.000	0.000	0.000	0.000	60.092	60.092	8.600	68.692
Wisconsin	0.000	0.000	1.934	1.934	0.000	28.347	0.116	0.000	0.000	0.000	0.000	0.016	28.478	30.412	14.499	44.911
Wyoming	0.000	0.000	0.000	0.000	0.000	9.270	0.000	0.000	0.000	0.000	0.000	0.000	9.270	9.270	0.000	9.270
Total	**442.770**	**35,407.937**	**22,543.795**	**58,394.502**	**88.658**	**3,123.622**	**2,809.817**	**81.000**	**19.739**	**1.573**	**5,138.266**	**4.087**	**11,266.761**	**69,661.263**	**199,376.055**	**269,037.319**

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Does not include Off-site Disposal or Other Releases transferred to other TRI facilities that reported the amounts as on-site disposal or other releases.

Quantities of TRI Chemicals in Waste, 2003

Waste Management Activity	2003	
	Pounds	Percent
Quantity Recycled	**9,313,378,392**	**36.1**
Quantity Recycled On-site	7,446,284,759	28.8
Quantity Recycled Off-site	1,867,093,633	7.2
Quantity Used for Energy Recovery	**3,439,714,945**	**13.3**
Quantity Used for Energy Recovery On-site	2,734,292,811	10.6
Quantity Used for Energy Recovery Off-site	705,422,134	2.7
Quantity Treated	**8,529,377,256**	**33.0**
Quantity Treated On-site	8,003,315,384	31.0
Quantity Treated Off-site	526,061,872	2.0
Total Quantity Disposed of or Otherwise Released	**4,541,862,224**	**17.6**
Total On-site Disposal to Class I Underground Injection Wells, RCRA Subtitle C Landfills, and Other Landfills	626,493,024	2.4
Total Other On-site Disposal or Other Releases	3,254,682,581	12.6
Total Off-site Disposal to Class I Underground Injection Wells, RCRA Subtitle C Landfills, and Other Landfills	405,664,894	1.6
Total Other Off-site Disposal or Other Releases	255,021,725	1.0
Total Production-related Waste Managed	**25,824,332,817**	**100.0**
Non-production-related Waste Managed	30,506,478	

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Data are from TRI Form R Section 8.

The 50 Facilities with Largest Recycling On-site and Off-site, 2003

Facility	City	State	Quantity Recycled On-site Pounds	Quantity Recycled Off-site Pounds	Total Quantity Recycled On-site and Off-site Pounds
Incobrasa Industries Ltd	Gilman	IL	811,219,006	0	811,219,006
Syngenta Crop Protection Inc Saint Gabriel Facility	Saint Gabriel	LA	384,700,590	250	384,700,840
Cognis Corp	Kankakee	IL	377,111,921	20,031	377,131,952
Ineos Phenol	Theodore	AL	375,861,762	0	375,861,762
US Magnesium LLC	Rowley	UT	259,000,000	0	259,000,000
Chemtrade Performance Chemicals Llc	Carlisle	SC	205,443,862	400	205,444,262
Doe Run Co Glover Smelter	Glover	MO	186,971,338	2,334,637	189,305,975
Gopher Resource Corp	Eagan	MN	176,543,450	0	176,543,450
PPG Industries Inc	Westlake	LA	162,483,000	3	162,483,003
Arteva Specialties S.A.R.L. (dba Kosa)	Wilmington	NC	140,364,550	120	140,364,670
Wellman Inc Palmetto Plant	Darlington	SC	137,172,643	12,015	137,184,658
Sunoco Inc. (R&M) Frankford Plant	Philadelphia	PA	130,959,203	0	130,959,203
PMX Industries Inc	Cedar Rapids	IA	94,429,239	26,150,175	120,579,414
Syngenta Crop Protection Bayport Site	Pasadena	TX	116,420,532	0	116,420,532
Oxy Vinyls LP Louisville	Louisville	KY	107,028,000	1	107,028,001
3v Inc	Georgetown	SC	104,099,564	0	104,099,564
Hussey Copper Ltd	Leetsdale	PA	78,980,000	2,172,000	81,152,000
Nan Ya Plastics Corp America	Lake City	SC	80,000,000	0	80,000,000
Ticona Polymers Inc	Bishop	TX	74,779,930	0	74,779,930
Catlettsburg Refining LLC	Catlettsburg	KY	70,268,734	13,580	70,282,314
PMP Fermentation Products Inc	Peoria	IL	69,026,566	0	69,026,566
Revere Copper Products Inc	Rome	NY	67,015,491	1,182,148	68,197,639
Dow Chemical Co Freeport Facility	Freeport	TX	67,632,800	24,063	67,656,863
Noveon Inc	Henry	IL	63,918,969	27,078	63,946,047
Honeywell Inc (Formerly Allied-Signal)	Orange	TX	62,821,000	0	62,821,000
North American Stainless	Ghent	KY	59,583,142	717,408	60,300,550
Texas Petrochemicals L P	Houston	TX	54,018,258	0	54,018,258
Wellman Of Mississippi Inc	Bay Saint Louis	MS	48,873,851	0	48,873,851
Salem Tube Inc	Greenville	PA	48,000,000	135,935	48,135,935
U.S. Army Radford Army Ammunition Plant	Radford	VA	44,407,852	253	44,408,105
Cambridge-Lee Inds Reading Tube Div	Reading	PA	42,945,964	8,933	42,954,897
Lincoln Foodservice Products Inc	Fort Wayne	IN	42,600,000	145,100	42,745,100
Noveon Inc	Calvert City	KY	39,180,290	0	39,180,290
Dyno Nobel Inc Lomo Plant	Louisiana	MO	36,275,000	0	36,275,000
Exide Technologies	Bristol	TN	9,513,750	25,956,479	35,470,229
Zeon Chemicals LP Mississippi Plant	Hattiesburg	MS	35,000,000	0	35,000,000
Exide Technologies	Salina	KS	24,720,377	10,267,135	34,987,512
Baker Petrolite Corp	Barnsdall	OK	34,440,400	0	34,440,400
Formosa Plastics Corp Texas	Point Comfort	TX	34,416,956	0	34,416,956
Honeywell International Inc	Moncure	NC	32,003,000	1,942,910	33,945,910
Quebecor World KRI Inc	Evans	GA	32,942,644	352,169	33,294,813
J&L Specialty Steel LLC	Midland	PA	29,970,000	2,757,260	32,727,260
Quebecor World Nevada Inc	Fernley	NV	21,715,916	6,443,699	28,159,615
Penick Corp	Newark	NJ	26,932,630	0	26,932,630
Arizona Chemical	Panama City	FL	25,914,178	36	25,914,214
Quebecor World Franklin	Franklin	KY	24,948,088	0	24,948,088
Exide Technologies	Manchester	IA	12,293,553	11,909,546	24,203,099
USS Gary Works	Gary	IN	23,677,080	218,193	23,895,273
Mallinckrodt Inc	Saint Louis	MO	23,701,294	0	23,701,294
Engelhard Pasadena	Pasadena	TX	23,339,072	0	23,339,072

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to *The Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data* document at **www.epa.gov/tri/tridata.**

Data are from TRI Form R, Section 8.4, Column B (Recycled on-site) and Section 8.5, Column B (Recycled off-site).

The 20 Chemicals with Largest Total Recycling On-site and Off-site, 2003: All Industries

CAS Number	Chemname	Quantity Recycled On-site Pounds	Quantity Recycled Off-site Pounds	Total Quantity Recycled On-site and Off-site Pounds
108-88-3	Toluene	937,390,538	28,407,354	965,797,892
7440-50-8	Copper	413,618,291	500,206,231	913,824,522
110-54-3	n-Hexane	845,750,300	5,135,905	850,886,205
67-56-1	Methanol	718,963,811	16,485,160	735,448,971
--	Lead compounds	515,472,913	195,764,956	711,237,869
98-82-8	Cumene	495,968,816	2,791,175	498,759,991
107-21-1	Ethylene glycol	374,408,414	66,775,985	441,184,399
--	Zinc compounds	111,004,385	306,346,506	417,350,891
107-06-2	1,2-Dichloroethane	411,120,374	3,133,488	414,253,862
7782-50-5	Chlorine	258,487,253	604,795	259,092,048
--	Copper compounds	116,647,364	124,346,014	240,993,378
75-09-2	Dichloromethane	145,889,072	19,823,409	165,712,481
79-01-6	Trichloroethylene	158,428,107	2,272,234	160,700,341
1330-20-7	Xylene (mixed isomers)	122,443,797	26,564,071	149,007,867
--	Glycol ethers	124,937,170	2,086,134	127,023,304
7664-41-7	Ammonia	116,077,671	2,675,004	118,752,675
71-43-2	Benzene	110,931,504	2,426,158	113,357,662
75-01-4	Vinyl chloride	109,426,256	3,097	109,429,353
--	Chromium compounds	69,100,336	36,203,461	105,303,797
7440-02-0	Nickel	17,176,029	77,840,762	95,016,791
	Subtotal for Top 20 Chemicals	**6,173,242,400**	**1,419,891,900**	**7,593,134,301**
	Total for all TRI Chemicals	**7,446,284,759**	**1,867,093,633**	**9,313,378,392**

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to *The Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data* document at **www.epa.gov/tri/tridata.**

Data are from TRI Form R, Section 8.4, Column B (Recycled on-site) and Section 8.5, Column B (Recycled off-site).

The 20 Chemicals with Largest Total Recycling On-site and Off-site, 2003: Manufacturing* Industries

CAS Number	Chemname	Quantity Recycled On-site Pounds	Quantity Recycled Off-site Pounds	Total Quantity Recycled On-site and Off-site Pounds
108-88-3	Toluene	916,066,229	28,294,392	944,360,621
7440-50-8	Copper	413,618,291	498,660,655	912,278,946
110-54-3	n-Hexane	841,936,222	5,110,840	847,047,062
67-56-1	Methanol	713,219,151	15,148,582	728,367,733
--	Lead compounds	513,461,869	192,364,276	705,826,145
98-82-8	Cumene	495,832,632	2,787,048	498,619,680
107-06-2	1,2-Dichloroethane	411,120,374	3,133,390	414,253,764
107-21-1	Ethylene glycol	362,042,297	46,475,037	408,517,334
--	Zinc compounds	94,799,037	304,481,735	399,280,772
7782-50-5	Chlorine	256,114,891	604,795	256,719,686
--	Copper compounds	116,234,345	122,514,830	238,749,174
79-01-6	Trichloroethylene	156,166,387	2,252,994	158,419,381
75-09-2	Dichloromethane	130,834,021	14,871,479	145,705,500
--	Glycol ethers	124,063,612	2,082,433	126,146,046
1330-20-7	Xylene (mixed isomers)	94,725,261	26,476,205	121,201,466
7664-41-7	Ammonia	112,403,691	2,644,468	115,048,159
71-43-2	Benzene	109,348,406	2,403,767	111,752,173
75-01-4	Vinyl chloride	109,426,256	3,097	109,429,353
--	Chromium compounds	69,099,510	35,028,481	104,127,990
7440-02-0	Nickel	17,176,029	77,340,550	94,516,579
	Subtotal for Top 20 Chemicals	**6,057,688,511**	**1,382,679,053**	**7,440,367,564**
	Total for all TRI Chemicals	**7,280,114,729**	**1,821,040,214**	**9,101,154,943**

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to *The Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data* document at **www.epa.gov/tri/tridata.**

Data are from TRI Form R, Section 8.4, Column B (Recycled on-site) and Section 8.5, Column B (Recycled off-site).

* Manufacturing industries include SIC code 20-39 and "no codes" category.

The 20 Chemicals with Largest Total Recycling On-site and Off-site, 2003: Chemical Manufacturing (SIC Code 28)

CAS Number	Chemname	Quantity Recycled On-site Pounds	Quantity Recycled Off-site Pounds	Total Quantity Recycled On-site and Off-site Pounds
67-56-1	Methanol	707,816,914	12,225,567	720,042,481
108-88-3	Toluene	613,749,651	12,555,131	626,304,781
98-82-8	Cumene	494,660,410	2,745,168	497,405,578
107-06-2	1,2-Dichloroethane	411,120,301	3,133,390	414,253,691
107-21-1	Ethylene glycol	323,366,718	17,005,634	340,372,352
75-09-2	Dichloromethane	127,227,630	14,056,451	141,284,081
--	Glycol ethers	123,600,822	537,479	124,138,301
75-01-4	Vinyl chloride	109,426,256	470	109,426,726
7664-41-7	Ammonia	82,600,186	939,347	83,539,533
--	Nitrate compounds	83,076,259	3,717	83,079,976
74-85-1	Ethylene	78,457,017	0	78,457,017
1330-20-7	Xylene (mixed isomers)	65,491,953	11,884,182	77,376,136
50-00-0	Formaldehyde	57,106,777	193	57,106,970
79-00-5	1,1,2-Trichloroethane	48,426,010	2,492,139	50,918,149
115-07-1	Propylene	44,012,433	0	44,012,433
108-95-2	Phenol	40,503,907	26,556	40,530,463
71-43-2	Benzene	34,792,636	2,296,495	37,089,132
108-10-1	Methyl isobutyl ketone	32,838,096	4,206,442	37,044,538
7782-50-5	Chlorine	35,907,515	7,860	35,915,375
127-18-4	Tetrachloroethylene	35,259,343	86,197	35,345,540
	Subtotal for Top 20 Chemicals	**3,549,440,834**	**84,202,419**	**3,633,643,253**
	Total for all TRI Chemicals	**3,865,420,827**	**166,287,479**	**4,031,708,306**

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to *The Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data* document at **www.epa.gov/tri/tridata.**

Data are from TRI Form R, Section 8.4, Column B (Recycled on-site) and Section 8.5, Column B (Recycled off-site).

The 20 Chemicals with Largest Total Recycling On-site and Off-site, 2003: Primary Metals (SIC Code 33)

CAS Number	Chemname	Quantity Recycled On-site Pounds	Quantity Recycled Off-site Pounds	Total Quantity Recycled On-site and Off-site Pounds
7440-50-8	Copper	358,878,489	225,571,343	584,449,833
--	Lead compounds	379,319,825	33,745,541	413,065,366
--	Zinc compounds	74,861,968	233,058,972	307,920,940
7782-50-5	Chlorine	218,832,260	507,135	219,339,395
--	Copper compounds	96,358,954	46,878,315	143,237,269
--	Chromium compounds	61,646,803	25,196,802	86,843,606
--	Manganese compounds	35,202,512	34,526,280	69,728,792
7647-01-0	Hydrochloric acid	63,953,884	295,610	64,249,494
79-01-6	Trichloroethylene	61,330,480	254,937	61,585,417
--	Nickel compounds	27,065,273	14,477,299	41,542,572
7440-66-6	Zinc (fume or dust)	3,487,172	36,548,154	40,035,326
7439-92-1	Lead	25,001,317	13,728,334	38,729,652
7440-02-0	Nickel	15,358,849	17,372,319	32,731,167
7439-96-5	Manganese	16,190,893	13,394,181	29,585,074
7429-90-5	Aluminum (fume or dust)	13,644,534	15,491,951	29,136,485
127-18-4	Tetrachloroethylene	22,636,360	31,316	22,667,676
7664-39-3	Hydrogen fluoride	21,079,373	36,429	21,115,802
7440-47-3	Chromium	5,617,953	13,613,740	19,231,693
108-10-1	Methyl isobutyl ketone	18,221,800	22,004	18,243,804
7697-37-2	Nitric acid	14,375,426	509,533	14,884,959
	Subtotal for Top 20 Chemicals	**1,533,064,125**	**725,260,196**	**2,258,324,321**
	Total for all TRI Chemicals	**1,570,036,649**	**738,735,893**	**2,308,772,542**

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to *The Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data* document at **www.epa.gov/tri/tridata.**

Data are from TRI Form R, Section 8.4, Column B (Recycled on-site) and Section 8.5, Column B (Recycled off-site).

The 20 Chemicals with Largest Total Recycling On-site and Off-site, 2003: Paper Products (SIC Code 26)

CAS Number	Chemname	Quantity Recycled On-site Pounds	Quantity Recycled Off-site Pounds	Total Quantity Recycled On-site and Off-site Pounds
108-88-3	Toluene	57,641,835	1,482,569	59,124,404
78-93-3	Methyl ethyl ketone	7,804,448	370,429	8,174,877
110-54-3	n-Hexane	6,214,044	107,129	6,321,173
75-15-0	Carbon disulfide	3,209,457	0	3,209,457
--	Zinc compounds	1,982,331	12,849	1,995,180
7782-50-5	Chlorine	1,344,880	0	1,344,880
872-50-4	N-Methyl-2-pyrrolidone	20,494	710,633	731,127
110-82-7	Cyclohexane	567,000	0	567,000
1330-20-7	Xylene (mixed isomers)	132,581	210,453	343,034
10049-04-4	Chlorine dioxide	248,650	0	248,650
--	Manganese compounds	27,000	124,451	151,451
--	Barium compounds	13,000	123,085	136,085
7429-90-5	Aluminum (fume or dust)	0	119,000	119,000
92-52-4	Biphenyl	115,766	0	115,766
67-56-1	Methanol	68,167	755	68,922
--	Nickel compounds	0	46,273	46,273
100-41-4	Ethylbenzene	16,000	21,000	37,000
7664-41-7	Ammonia	30,110	29	30,139
--	Lead compounds	2,500	26,884	29,384
--	Vanadium compounds	0	24,485	24,485
	Subtotal for Top 20 Chemicals	**79,438,263**	**3,380,023**	**82,818,286**
	Total for all TRI Chemicals	**79,473,330**	**3,434,816**	**82,908,146**

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to *The Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data* document at **www.epa.gov/tri/tridata.**

Data are from TRI Form R, Section 8.4, Column B (Recycled on-site) and Section 8.5, Column B (Recycled off-site).

The 20 Chemicals with Largest Total Recycling On-site and Off-site, 2003: Food Products (SIC Code 20)

CAS Number	Chemname	Quantity Recycled On-site Pounds	Quantity Recycled Off-site Pounds	Total Quantity Recycled On-site and Off-site Pounds
110-54-3	n-Hexane	819,720,706	62,700	819,783,406
7664-41-7	Ammonia	26,022,995	569,030	26,592,025
67-56-1	Methanol	3,012,179	47,560	3,059,739
7697-37-2	Nitric acid	1,582,011	0	1,582,011
7440-02-0	Nickel	0	583,163	583,163
7664-93-9	Sulfuric acid	529,319	0	529,319
--	Nickel compounds	0	318,890	318,890
7440-50-8	Copper	0	293,044	293,044
--	Nitrate compounds	199,418	48,084	247,502
107-21-1	Ethylene glycol	0	214,290	214,290
--	Chromium compounds	97,088	107,400	204,488
--	Barium compounds	0	95,000	95,000
--	Zinc compounds	43,426	45,622	89,048
108-88-3	Toluene	78,971	0	78,971
75-09-2	Dichloromethane	35,000	0	35,000
7782-50-5	Chlorine	30,236	0	30,236
79-11-8	Chloroacetic acid	30,110	0	30,110
--	Copper compounds	6,449	10,200	16,649
--	Manganese compounds	7,251	5,363	12,614
7439-92-1	Lead	0	11,546	11,546
	Subtotal for Top 20 Chemicals	**851,395,159**	**2,411,892**	**853,807,051**
	Total for all TRI Chemicals	**851,402,610**	**2,420,154**	**853,822,764**

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to *The Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data* document at **www.epa.gov/tri/tridata.**

Data are from TRI Form R, Section 8.4, Column B (Recycled on-site) and Section 8.5, Column B (Recycled off-site).

The 20 Chemicals with Largest Total Recycling On-site and Off-site, 2003: Metal Mining (SIC Code 10)

CAS Number	Chemname	Quantity Recycled On-site Pounds	Quantity Recycled Off-site Pounds	Total Quantity Recycled On-site and Off-site Pounds
--	Zinc compounds	16,204,828	983,662	17,188,490
7664-41-7	Ammonia	3,641,658	0	3,641,658
--	Lead compounds	2,010,161	1,493,597	3,503,758
--	Nitrate compounds	1,736,906	0	1,736,906
--	Copper compounds	413,019	978,131	1,391,150
--	Arsenic compounds	808,030	5	808,035
--	Cyanide compounds	557,567	0	557,567
--	Mercury compounds	517,789	2,224	520,014
--	Cadmium compounds	450,303	860	451,163
--	Nickel compounds	116,482	44,001	160,483
7440-47-3	Chromium	0	147,587	147,587
--	Manganese compounds	123,858	20,100	143,958
7440-50-8	Copper	0	110,000	110,000
--	Vanadium compounds	105,142	0	105,142
7439-96-5	Manganese	0	42,417	42,417
--	Cobalt compounds	31,505	1,700	33,205
--	Selenium compounds	33,130	0	33,130
--	Chromium compounds	826	31,008	31,834
74-90-8	Hydrogen cyanide	28,865	0	28,865
107-21-1	Ethylene glycol	0	22,315	22,315
	Subtotal for Top 20 Chemicals	**26,780,069**	**3,877,607**	**30,657,676**
	Total for all TRI Chemicals	**26,810,031**	**3,885,930**	**30,695,961**

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to *The Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data* document at **www.epa.gov/tri/tridata.**

Data are from TRI Form R, Section 8.4, Column B (Recycled on-site) and Section 8.5, Column B (Recycled off-site).

Chemicals with Largest Total Recycling On-site and Off-site, 2003: Coal Mining (SIC Code 12)

CAS Number	Chemname	Quantity Recycled On-site Pounds	Quantity Recycled Off-site Pounds	Total Quantity Recycled On-site and Off-site Pounds
7664-41-7	Ammonia	30,052	0	30,052
107-21-1	Ethylene glycol	0	5,349	5,349
--	Lead compounds	0	17	17
	Total for all TRI Chemicals	**30,052**	**5,366**	**35,418**

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to *The Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data* document at **www.epa.gov/tri/tridata.**

Data are from TRI Form R, Section 8.4, Column B (Recycled on-site) and Section 8.5, Column B (Recycled off-site).

The 20 Chemicals with Largest Total Recycling On-site and Off-site, 2003: Electric Utilities (SIC Codes 491/493)

CAS Number	Chemname	Quantity Recycled On-site Pounds	Quantity Recycled Off-site Pounds	Total Quantity Recycled On-site and Off-site Pounds
--	Chromium compounds	0	1,082,731	1,082,731
7440-66-6	Zinc (fume or dust)	0	1,035,617	1,035,617
7440-62-2	Vanadium (except when contained in an alloy)	0	899,950	899,950
--	Barium compounds	0	791,995	791,995
--	Nickel compounds	0	689,830	689,830
--	Manganese compounds	0	604,583	604,583
--	Copper compounds	0	600,163	600,163
--	Zinc compounds	0	538,788	538,788
--	Vanadium compounds	0	350,961	350,961
7440-39-3	Barium	0	328,376	328,376
7440-02-0	Nickel	0	296,302	296,302
--	Lead compounds	0	35,651	35,651
107-21-1	Ethylene glycol	0	27,000	27,000
--	Antimony compounds	0	19,915	19,915
7664-41-7	Ammonia	0	17,436	17,436
7439-96-5	Manganese	0	9,198	9,198
7440-50-8	Copper	0	8,798	8,798
7439-92-1	Lead	0	8,498	8,498
7782-50-5	Chlorine	3,754	0	3,754
--	Polycyclic aromatic compounds	0	3,324	3,324
	Subtotal for Top 20 Chemicals	**3,754**	**7,349,114**	**7,352,868**
	Total for all TRI Chemicals	**3,754**	**7,360,355**	**7,364,109**

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to *The Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data* document at **www.epa.gov/tri/tridata.**

Data are from TRI Form R, Section 8.4, Column B (Recycled on-site) and Section 8.5, Column B (Recycled off-site).

The 20 Chemicals with Largest Total Recycling On-site and Off-site, 2003: Chemical Wholesale Distributors (SIC Code 5169)

CAS Number	Chemname	Quantity Recycled On-site Pounds	Quantity Recycled Off-site Pounds	Total Quantity Recycled On-site and Off-site Pounds
1330-20-7	Xylene (mixed isomers)	6,176,980	3,699	6,180,679
108-88-3	Toluene	1,394,819	2,726	1,397,545
108-10-1	Methyl isobutyl ketone	933,988	1,622	935,610
78-93-3	Methyl ethyl ketone	834,021	1,383	835,404
67-56-1	Methanol	344,959	12,559	357,518
7782-50-5	Chlorine	260,700	0	260,700
71-36-3	n-Butyl alcohol	119,522	90	119,612
107-21-1	Ethylene glycol	55,120	168	55,288
110-82-7	Cyclohexane	49,222	0	49,222
68-12-2	N,N-Dimethylformamide	42,356	0	42,356
75-09-2	Dichloromethane	23,196	18,464	41,660
79-01-6	Trichloroethylene	25,255	13,000	38,255
127-18-4	Tetrachloroethylene	38,079	0	38,079
--	Glycol ethers	34,452	591	35,043
95-63-6	1,2,4-Trimethylbenzene	20,238	426	20,664
80-62-6	Methyl methacrylate	19,802	0	19,802
110-54-3	n-Hexane	16,580	0	16,580
67-66-3	Chloroform	0	12,221	12,221
1717-00-6	1,1-Dichloro-1-fluoroethane (HCFC-141b)	500	10,500	11,000
100-41-4	Ethylbenzene	2,676	46	2,722
	Subtotal for Top 20 Chemicals	**10,392,465**	**77,495**	**10,469,960**
	Total for all TRI Chemicals	**10,398,555**	**79,902**	**10,478,457**

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to *The Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data* document at **www.epa.gov/tri/tridata.**

Data are from TRI Form R, Section 8.4, Column B (Recycled on-site) and Section 8.5, Column B (Recycled off-site).

The 20 Chemicals with Largest Total Recycling On-site and Off-site, 2003: Petroleum Terminals/Bulk Storage (SIC Code 5171)

CAS Number	Chemname	Quantity Recycled On-site Pounds	Quantity Recycled Off-site Pounds	Total Quantity Recycled On-site and Off-site Pounds
108-88-3	Toluene	6,309,734	110,236	6,419,970
1330-20-7	Xylene (mixed isomers)	5,657,674	83,991	5,741,665
1634-04-4	Methyl tert-butyl ether	2,786,437	28,482	2,814,919
100-41-4	Ethylbenzene	1,981,641	66,414	2,048,056
95-63-6	1,2,4-Trimethylbenzene	1,709,771	107,116	1,816,887
71-43-2	Benzene	1,513,423	21,874	1,535,297
110-54-3	n-Hexane	1,422,030	25,065	1,447,095
110-82-7	Cyclohexane	824,581	8,857	833,438
107-21-1	Ethylene glycol	0	148,216	148,216
98-82-8	Cumene	134,867	4,117	138,984
7439-92-1	Lead	127,745	142	127,887
91-20-3	Naphthalene	69,982	57,523	127,505
75-63-8	Bromotrifluoromethane (Halon 1301)	90,932	0	90,932
100-42-5	Styrene	18,477	137	18,614
87-86-5	Pentachlorophenol	0	15,445	15,445
88-06-2	2,4,6-Trichlorophenol	0	15,445	15,445
108-38-3	m-Xylene	0	12,375	12,375
106-42-3	p-Xylene	0	10,225	10,225
95-47-6	o-Xylene	0	3,603	3,603
75-65-0	tert-Butyl alcohol	0	1,429	1,429
	Subtotal for Top 20 Chemicals	**22,647,294**	**720,693**	**23,367,987**
	Total for all TRI Chemicals	**22,647,669**	**723,822**	**23,371,490**

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to *The Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data* document at **www.epa.gov/tri/tridata.**

Data are from TRI Form R, Section 8.4, Column B (Recycled on-site) and Section 8.5, Column B (Recycled off-site).

The 20 Chemicals with Largest Total Recycling On-site and Off-site, 2003: Hazardous Waste/Solvent Recovery (SIC Codes 7389/4953

CAS Number	Chemname	Quantity Recycled On-site Pounds	Quantity Recycled Off-site Pounds	Total Quantity Recycled On-site and Off-site Pounds
107-21-1	Ethylene glycol	12,310,997	20,097,900	32,408,897
75-09-2	Dichloromethane	15,031,855	4,933,466	19,965,321
1330-20-7	Xylene (mixed isomers)	15,883,882	175	15,884,057
108-88-3	Toluene	13,619,755	1	13,619,756
78-93-3	Methyl ethyl ketone	12,919,387	0	12,919,387
127-18-4	Tetrachloroethylene	8,848,470	788,876	9,637,346
67-56-1	Methanol	5,399,701	1,323,789	6,723,490
872-50-4	N-Methyl-2-pyrrolidone	4,585,529	1,351,281	5,936,810
108-10-1	Methyl isobutyl ketone	3,340,433	0	3,340,433
110-54-3	n-Hexane	2,375,468	0	2,375,468
79-01-6	Trichloroethylene	2,236,465	6,240	2,242,705
7782-50-5	Chlorine	2,107,908	0	2,107,908
100-41-4	Ethylbenzene	1,898,375	0	1,898,375
--	Lead compounds	882	1,870,482	1,871,364
7440-50-8	Copper	0	1,426,779	1,426,779
--	Glycol ethers	839,106	3,109	842,215
106-42-3	p-Xylene	796,113	0	796,113
108-90-7	Chlorobenzene	715,260	0	715,260
95-50-1	1,2-Dichlorobenzene	543,683	0	543,683
71-36-3	n-Butyl alcohol	483,359	0	483,359
	Subtotal for Top 20 Chemicals	**103,936,630**	**31,802,096**	**135,738,726**
	Total for all TRI Chemicals	**106,279,969**	**33,998,044**	**140,278,013**

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to *The Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data* document at **www.epa.gov/tri/tridata.**

Data are from TRI Form R, Section 8.4, Column B (Recycled on-site) and Section 8.5, Column B (Recycled off-site).

The 20 Chemicals with Largest Total Energy Recovery On-site and Off-site, 2003: All Industries

CAS Number	Chemname	Quantity Used for Energy Recovery On-site Pounds	Quantity Used for Energy Recovery Off-site Pounds	Total Quantity Used for Energy Recovery On-site and Off-site Pounds
74-85-1	Ethylene	538,924,493	15,957,282	554,881,775
67-56-1	Methanol	392,715,167	153,570,954	546,286,121
115-07-1	Propylene	294,671,999	330	294,672,329
108-88-3	Toluene	151,659,570	134,143,269	285,802,840
1330-20-7	Xylene (mixed isomers)	86,092,880	91,615,681	177,708,561
7664-41-7	Ammonia	130,711,454	71,741	130,783,195
78-93-3	Methyl ethyl ketone	65,339,486	65,174,791	130,514,277
7664-93-9	Sulfuric acid	114,248,458	27,752	114,276,210
100-42-5	Styrene	69,801,402	12,518,723	82,320,125
110-54-3	n-Hexane	42,915,370	19,852,641	62,768,011
71-43-2	Benzene	59,611,567	1,153,090	60,764,657
100-41-4	Ethylbenzene	31,285,200	12,549,955	43,835,154
75-05-8	Acetonitrile	29,597,579	11,368,774	40,966,353
75-65-0	tert-Butyl alcohol	28,499,390	9,670,780	38,170,170
75-56-9	Propylene oxide	35,621,297	1,255,056	36,876,353
74-90-8	Hydrogen cyanide	34,020,992	98	34,021,090
108-10-1	Methyl isobutyl ketone	15,486,199	17,097,450	32,583,650
75-00-3	Chloroethane	32,026,749	42,476	32,069,225
79-10-7	Acrylic acid	28,780,181	3,253,103	32,033,284
75-07-0	Acetaldehyde	30,095,712	387,184	30,482,895
	Subtotal for Top 20 Chemicals	**2,212,105,144**	**549,711,130**	**2,761,816,274**
	Total for all TRI Chemicals	**2,734,292,811**	**705,422,134**	**3,439,714,945**

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to *The Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data* document at **www.epa.gov/tri/tridata.**

Data are from TRI Form R, Section 8.2, Column B (Energy recovery on-site) and Section 8.3, Column B (Energy recovery off-site).

The 20 Chemicals with Largest Total Energy Recovery On-site and Off-site, 2003: Manufacturing* Industries

CAS Number	Chemname	Quantity Used for Energy Recovery On-site Pounds	Quantity Used for Energy Recovery Off-site Pounds	Total Quantity Used for Energy Recovery On-site and Off-site Pounds
74-85-1	Ethylene	538,924,493	15,957,282	554,881,775
67-56-1	Methanol	392,471,538	121,620,473	514,092,011
115-07-1	Propylene	294,671,999	330	294,672,329
108-88-3	Toluene	151,424,502	65,653,379	217,077,881
1330-20-7	Xylene (mixed isomers)	85,793,381	47,659,380	133,452,761
7664-41-7	Ammonia	130,711,454	71,741	130,783,195
7664-93-9	Sulfuric acid	114,248,458	3,420	114,251,878
78-93-3	Methyl ethyl ketone	65,106,165	29,725,050	94,831,215
100-42-5	Styrene	69,800,911	10,019,810	79,820,721
71-43-2	Benzene	59,440,374	800,793	60,241,167
110-54-3	n-Hexane	42,572,447	14,904,216	57,476,664
100-41-4	Ethylbenzene	31,262,943	8,505,176	39,768,119
75-65-0	tert-Butyl alcohol	28,499,390	9,539,874	38,039,264
75-56-9	Propylene oxide	35,621,297	1,254,756	36,876,053
75-05-8	Acetonitrile	29,502,952	7,164,792	36,667,744
74-90-8	Hydrogen cyanide	34,020,992	0	34,020,992
75-00-3	Chloroethane	32,008,316	42,476	32,050,792
79-10-7	Acrylic acid	28,779,786	3,206,941	31,986,727
75-07-0	Acetaldehyde	30,086,691	375,298	30,461,988
108-95-2	Phenol	20,961,001	7,026,518	27,987,519
	Subtotal for Top 20 Chemicals	**2,215,909,088**	**343,531,706**	**2,559,440,795**
	Total for all TRI Chemicals	**2,729,803,026**	**468,914,784**	**3,198,717,810**

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to *The Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data* document at **www.epa.gov/tri/tridata.**

Data are from TRI Form R, Section 8.2, Column B (Energy recovery on-site) and Section 8.3, Column B (Energy recovery off-site).

* Manufacturing industries include SIC code 20-39 and "no codes" category.

The 20 Chemicals with Largest Total Energy Recovery On-site and Off-site, 2003: Chemical Manufacturers (SIC Code 28)

CAS Number	Chemname	Quantity Used for Energy Recovery On-site Pounds	Quantity Used for Energy Recovery Off-site Pounds	Total Quantity Used for Energy Recovery On-site and Off-site Pounds
74-85-1	Ethylene	263,574,336	15,957,265	279,531,601
67-56-1	Methanol	110,484,337	112,251,496	222,735,833
115-07-1	Propylene	213,733,065	283	213,733,348
7664-93-9	Sulfuric acid	114,248,458	0	114,248,458
108-88-3	Toluene	28,301,902	46,510,978	74,812,880
100-42-5	Styrene	58,185,365	8,405,199	66,590,564
110-54-3	n-Hexane	35,162,733	14,400,080	49,562,813
7664-41-7	Ammonia	42,245,056	69,192	42,314,248
71-43-2	Benzene	39,179,297	706,718	39,886,015
1330-20-7	Xylene (mixed isomers)	4,578,128	33,368,828	37,946,955
75-65-0	tert-Butyl alcohol	27,954,946	9,501,759	37,456,705
75-56-9	Propylene oxide	35,621,297	1,254,755	36,876,052
75-05-8	Acetonitrile	27,547,652	6,569,853	34,117,505
75-00-3	Chloroethane	32,008,316	42,476	32,050,792
79-10-7	Acrylic acid	28,779,786	3,196,418	31,976,204
74-90-8	Hydrogen cyanide	31,270,992	0	31,270,992
75-07-0	Acetaldehyde	28,459,234	368,407	28,827,640
107-06-2	1,2-Dichloroethane	26,129,308	116,914	26,246,222
88-89-1	Picric acid	25,966,660	0	25,966,660
78-93-3	Methyl ethyl ketone	11,243,821	13,807,781	25,051,602
	Subtotal for Top 20 Chemicals	**1,184,674,688**	**266,528,402**	**1,451,203,090**
	Total for all TRI Chemicals	**1,525,750,579**	**380,530,153**	**1,906,280,732**

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to *The Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data* document at **www.epa.gov/tri/tridata.**

Data are from TRI Form R, Section 8.2, Column B (Energy recovery on-site) and Section 8.3, Column B (Energy recovery off-site).

The 20 Chemicals with Largest Total Energy Recovery On-site and Off-site, 2003: Primary Metals (SIC Code 33)

CAS Number	Chemname	Quantity Used for Energy Recovery On-site Pounds	Quantity Used for Energy Recovery Off-site Pounds	Total Quantity Used for Energy Recovery On-site and Off-site Pounds
74-85-1	Ethylene	134,842,820	0	134,842,820
71-43-2	Benzene	18,795,294	0	18,795,294
78-93-3	Methyl ethyl ketone	8,364,231	636,621	9,000,852
115-07-1	Propylene	7,503,780	0	7,503,780
108-88-3	Toluene	5,023,439	505,939	5,529,378
1330-20-7	Xylene (mixed isomers)	2,722,325	2,704,387	5,426,712
--	Glycol ethers	2,197,873	309,501	2,507,374
95-63-6	1,2,4-Trimethylbenzene	1,647,211	138,587	1,785,798
108-95-2	Phenol	1,509,016	185,930	1,694,946
1319-77-3	Cresol (mixed isomers)	796,100	83,932	880,032
67-56-1	Methanol	708,552	53,330	761,882
100-41-4	Ethylbenzene	427,550	285,287	712,837
108-10-1	Methyl isobutyl ketone	640,262	46,326	686,588
71-36-3	n-Butyl alcohol	460,850	134,489	595,339
7664-41-7	Ammonia	549,248	200	549,448
91-20-3	Naphthalene	452,488	22,961	475,449
108-39-4	m-Cresol	368,591	29,309	397,900
872-50-4	N-Methyl-2-pyrrolidone	190,611	130,430	321,041
106-44-5	p-Cresol	293,046	19,599	312,645
75-09-2	Dichloromethane	0	86,755	86,755
	Subtotal for Top 20 Chemicals	**187,493,287**	**5,373,581**	**192,866,869**
	Total for all TRI Chemicals	**187,559,494**	**5,576,304**	**193,135,799**

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to *The Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data* document at **www.epa.gov/tri/tridata.**

Data are from TRI Form R, Section 8.2, Column B (Energy recovery on-site) and Section 8.3, Column B (Energy recovery off-site).

The 20 Chemicals with Largest Total Energy Recovery On-site and Off-site, 2003: Paper Products (SIC Code 26)

CAS Number	Chemname	Quantity Used for Energy Recovery On-site Pounds	Quantity Used for Energy Recovery Off-site Pounds	Total Quantity Used for Energy Recovery On-site and Off-site Pounds
67-56-1	Methanol	199,818,454	139,528	199,957,982
108-88-3	Toluene	3,053,298	3,790,044	6,843,342
78-93-3	Methyl ethyl ketone	2,936,156	1,470,249	4,406,405
120-80-9	Catechol	3,469,872	2,700	3,472,572
75-07-0	Acetaldehyde	1,604,734	311	1,605,045
108-95-2	Phenol	1,151,565	633	1,152,198
7664-41-7	Ammonia	950,030	593	950,623
1330-20-7	Xylene (mixed isomers)	667,200	225,566	892,766
107-21-1	Ethylene glycol	310,045	75,742	385,787
50-00-0	Formaldehyde	278,381	107	278,488
110-54-3	n-Hexane	88,005	83,210	171,215
100-41-4	Ethylbenzene	114,705	14,729	129,434
1319-77-3	Cresol (mixed isomers)	88,360	0	88,360
108-10-1	Methyl isobutyl ketone	49,910	30,517	80,427
--	Glycol ethers	4	55,822	55,826
108-05-4	Vinyl acetate	36,111	19,532	55,643
--	Polycyclic aromatic compounds	48,368	0	48,368
110-82-7	Cyclohexane	45,050	0	45,050
872-50-4	N-Methyl-2-pyrrolidone	3,575	34,203	37,778
115-07-1	Propylene	22,130	0	22,130
	Subtotal for Top 20 Chemicals	**214,735,953**	**5,943,486**	**220,679,439**
	Total for all TRI Chemicals	**214,744,784**	**5,982,024**	**220,726,808**

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to *The Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data* document at **www.epa.gov/tri/tridata.**

Data are from TRI Form R, Section 8.2, Column B (Energy recovery on-site) and Section 8.3, Column B (Energy recovery off-site).

Chemicals with Largest Total Energy Recovery On-site and Off-site, 2003: Food Products (SIC Code 20)

CAS Number	Chemname	Quantity Used for Energy Recovery On-site Pounds	Quantity Used for Energy Recovery Off-site Pounds	Total Quantity Used for Energy Recovery On-site and Off-site Pounds
--	Polycyclic aromatic compounds	550,664	0	550,664
67-56-1	Methanol	0	93,144	93,144
108-88-3	Toluene	0	70,110	70,110
91-20-3	Naphthalene	53,369	0	53,369
110-54-3	n-Hexane	0	39,067	39,067
1330-20-7	Xylene (mixed isomers)	7,000	6,783	13,783
7664-41-7	Ammonia	10,042	0	10,042
75-07-0	Acetaldehyde	0	6,580	6,580
110-82-7	Cyclohexane	0	1,900	1,900
191-24-2	Benzo(g,h,i)perylene	280	0	280
7439-92-1	Lead	0	11	11
	Total for all TRI Chemicals	**621,355**	**217,595**	**838,950**

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to *The Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data* document at **www.epa.gov/tri/tridata.**

Data are from TRI Form R, Section 8.2, Column B (Energy recovery on-site) and Section 8.3, Column B (Energy recovery off-site).

Chemicals with Largest Total Energy Recovery On-site and Off-site, 2003: Metal Mining (SIC Code 10)

CAS Number	Chemname	Quantity Used for Energy Recovery On-site Pounds	Quantity Used for Energy Recovery Off-site Pounds	Total Quantity Used for Energy Recovery On-site and Off-site Pounds
--	Polycyclic aromatic compounds	0	16	16
	Total for all TRI Chemicals	**0**	**16**	**16**

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to *The Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data* document at **www.epa.gov/tri/tridata.**

Data are from TRI Form R, Section 8.2, Column B (Energy recovery on-site) and Section 8.3, Column B (Energy recovery off-site).

Chemicals with Largest Total Energy Recovery On-site and Off-site, 2003: Electric Utilities (SIC Codes 491/493)

CAS Number	Chemname	Quantity Used for Energy Recovery On-site Pounds	Quantity Used for Energy Recovery Off-site Pounds	Total Quantity Used for Energy Recovery On-site and Off-site Pounds
--	Polycyclic aromatic compounds	792,002	5,843	797,845
110-54-3	n-Hexane	224,001	0	224,001
95-63-6	1,2,4-Trimethylbenzene	224,000	0	224,000
1336-36-3	Polychlorinated biphenyls (PCBs)	65	7,600	7,665
191-24-2	Benzo(g,h,i)perylene	5,351	63	5,414
67-56-1	Methanol	3,600	0	3,600
75-07-0	Acetaldehyde	17	0	17
108-95-2	Phenol	6	0	6
78-93-3	Methyl ethyl ketone	5	0	5
50-00-0	Formaldehyde	3	0	3
120-80-9	Catechol	1	0	1
	Total for all TRI Chemicals	**1,249,052**	**13,506**	**1,262,557**

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to *The Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data* document at **www.epa.gov/tri/tridata.**

Data are from TRI Form R, Section 8.2, Column B (Energy recovery on-site) and Section 8.3, Column B (Energy recovery off-site).

The 20 Chemicals with Largest Total Energy Recovery On-site and Off-site, 2003: Chemical Wholesale Distributors (SIC Code 5169

CAS Number	Chemname	Quantity Used for Energy Recovery On-site Pounds	Quantity Used for Energy Recovery Off-site Pounds	Total Quantity Used for Energy Recovery On-site and Off-site Pounds
108-88-3	Toluene	0	2,229,506	2,229,506
1330-20-7	Xylene (mixed isomers)	0	1,849,804	1,849,804
78-93-3	Methyl ethyl ketone	0	1,430,127	1,430,127
67-56-1	Methanol	0	947,093	947,093
--	Glycol ethers	0	717,174	717,174
108-10-1	Methyl isobutyl ketone	0	556,339	556,339
95-63-6	1,2,4-Trimethylbenzene	0	156,560	156,560
100-42-5	Styrene	0	153,737	153,737
107-21-1	Ethylene glycol	0	139,880	139,880
71-36-3	n-Butyl alcohol	0	132,035	132,035
110-54-3	n-Hexane	0	65,416	65,416
100-41-4	Ethylbenzene	0	57,740	57,740
68-12-2	N,N-Dimethylformamide	0	50,944	50,944
75-09-2	Dichloromethane	0	42,778	42,778
110-82-7	Cyclohexane	0	39,795	39,795
75-05-8	Acetonitrile	0	23,726	23,726
79-01-6	Trichloroethylene	0	22,556	22,556
127-18-4	Tetrachloroethylene	0	21,127	21,127
872-50-4	N-Methyl-2-pyrrolidone	0	14,635	14,635
80-62-6	Methyl methacrylate	0	11,949	11,949
	Subtotal for Top 20 Chemicals	**0**	**8,662,921**	**8,662,921**
	Total for all TRI Chemicals	**0**	**8,722,178**	**8,722,178**

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to *The Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data* document at **www.epa.gov/tri/tridata.**

Data are from TRI Form R, Section 8.2, Column B (Energy recovery on-site) and Section 8.3, Column B (Energy recovery off-site).

The 20 Chemicals with Largest Total Energy Recovery On-site and Off-site, 2003: Petroleum Terminals/Bulk Storage (SIC Code 5171)

CAS Number	Chemname	Quantity Used for Energy Recovery On-site Pounds	Quantity Used for Energy Recovery Off-site Pounds	Total Quantity Used for Energy Recovery On-site and Off-site Pounds
91-20-3	Naphthalene	0	54,987	54,987
1330-20-7	Xylene (mixed isomers)	8,078	21,160	29,238
108-88-3	Toluene	4,680	13,230	17,910
95-63-6	1,2,4-Trimethylbenzene	7,704	8,985	16,689
71-43-2	Benzene	2,693	6,793	9,486
100-41-4	Ethylbenzene	1,873	4,322	6,195
110-54-3	n-Hexane	1,793	3,097	4,890
100-42-5	Styrene	0	4,279	4,279
110-82-7	Cyclohexane	3,136	333	3,469
127-18-4	Tetrachloroethylene	0	2,338	2,338
98-82-8	Cumene	448	1,329	1,777
--	Polycyclic aromatic compounds	0	1,766	1,766
1634-04-4	Methyl tert-butyl ether	0	1,383	1,383
92-52-4	Biphenyl	0	916	916
75-65-0	tert-Butyl alcohol	0	490	490
78-93-3	Methyl ethyl ketone	0	452	452
67-56-1	Methanol	0	250	250
108-10-1	Methyl isobutyl ketone	0	168	168
107-21-1	Ethylene glycol	0	131	131
191-24-2	Benzo(g,h,i)perylene	0	10	10
	Subtotal for Top 20 Chemicals	**30,405**	**126,419**	**156,824**
	Total for all TRI Chemicals	**30,405**	**126,421**	**156,826**

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to *The Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data* document at **www.epa.gov/tri/tridata.**

Data are from TRI Form R, Section 8.2, Column B (Energy recovery on-site) and Section 8.3, Column B (Energy recovery off-site).

The 20 Chemicals with Largest Total Energy Recovery On-site and Off-site, 2003: Hazardous Waste/Solvent Recovery (SIC Codes 7389/4953

CAS Number	Chemname	Quantity Used for Energy Recovery On-site Pounds	Quantity Used for Energy Recovery Off-site Pounds	Total Quantity Used for Energy Recovery On-site and Off-site Pounds
108-88-3	Toluene	230,388	66,247,155	66,477,543
1330-20-7	Xylene (mixed isomers)	291,421	42,085,337	42,376,758
78-93-3	Methyl ethyl ketone	233,316	34,019,162	34,252,478
67-56-1	Methanol	240,029	31,003,138	31,243,167
108-10-1	Methyl isobutyl ketone	37,997	7,760,161	7,798,158
75-09-2	Dichloromethane	175,358	5,931,017	6,106,375
110-54-3	n-Hexane	117,129	4,879,911	4,997,040
75-05-8	Acetonitrile	94,627	4,180,257	4,274,884
71-36-3	n-Butyl alcohol	28,330	4,010,714	4,039,044
100-41-4	Ethylbenzene	20,384	3,982,716	4,003,100
--	Glycol ethers	320,284	2,386,724	2,707,008
106-42-3	p-Xylene	0	2,573,569	2,573,569
100-42-5	Styrene	491	2,340,897	2,341,388
107-18-6	Allyl alcohol	49	2,190,275	2,190,324
127-18-4	Tetrachloroethylene	0	2,173,100	2,173,100
107-21-1	Ethylene glycol	4,841	1,651,571	1,656,412
79-01-6	Trichloroethylene	14,524	1,371,681	1,386,205
872-50-4	N-Methyl-2-pyrrolidone	171,048	1,102,397	1,273,445
85-44-9	Phthalic anhydride	280	690,714	690,994
95-50-1	1,2-Dichlorobenzene	8,523	651,212	659,735
	Subtotal for Top 20 Chemicals	**1,989,019**	**221,231,707**	**223,220,726**
	Total for all TRI Chemicals	**3,210,328**	**227,645,229**	**230,855,557**

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to *The Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data* document at **www.epa.gov/tri/tridata.**

Data are from TRI Form R, Section 8.2, Column B (Energy recovery on-site) and Section 8.3, Column B (Energy recovery off-site).

The 20 Chemicals with Largest Total Treated On-site and Off-site, 2003: All Industries

CAS Number	Chemname	Quantity Treated On-site Pounds	Quantity Treated Off-site Pounds	Total Quantity Treated On-site and Off-site Pounds
7647-01-0	Hydrochloric acid	1,438,852,194	3,660,907	1,442,513,101
67-56-1	Methanol	1,143,543,130	114,860,533	1,258,403,663
7664-41-7	Ammonia	741,520,703	12,454,590	753,975,293
74-85-1	Ethylene	540,387,021	6,021,776	546,408,797
7664-93-9	Sulfuric acid	440,364,168	1,316,017	441,680,185
115-07-1	Propylene	382,771,042	2,865,039	385,636,081
108-88-3	Toluene	311,555,609	28,322,755	339,878,363
--	Nitrate compounds	182,969,244	115,556,819	298,526,062
7697-37-2	Nitric acid	262,658,957	10,329,289	272,988,246
7664-39-3	Hydrogen fluoride	232,088,222	1,576,513	233,664,735
7782-50-5	Chlorine	223,942,337	411,767	224,354,105
463-58-1	Carbonyl sulfide	150,033,085	203	150,033,288
64-18-6	Formic acid	140,568,493	921,548	141,490,041
78-93-3	Methyl ethyl ketone	92,352,097	11,349,429	103,701,526
74-90-8	Hydrogen cyanide	97,883,401	14,362	97,897,763
110-54-3	n-Hexane	86,471,441	5,144,199	91,615,640
1330-20-7	Xylene (mixed isomers)	68,472,266	19,282,109	87,754,375
107-21-1	Ethylene glycol	54,937,618	24,934,133	79,871,751
106-99-0	1,3-Butadiene	67,728,433	1,945,582	69,674,015
71-43-2	Benzene	61,172,804	2,780,613	63,953,418
	Subtotal for Top 20 Chemicals	**6,720,272,265**	**363,748,182**	**7,084,020,447**
	Total for all TRI Chemicals	**8,003,315,384**	**526,061,872**	**8,529,377,256**

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to *The Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data* document at **www.epa.gov/tri/tridata.**

Data are from TRI Form R, Section 8.6, Column B (Treated on-site) and Section 8.7, Column B (Treated off-site).

The 20 Chemicals with Largest Total Treated On-site and Off-site, 2003: Manufacturing* Industries

CAS Number	Chemname	Quantity Treated On-site Pounds	Quantity Treated Off-site Pounds	Total Quantity Treated On-site and Off-site Pounds
67-56-1	Methanol	1,127,598,067	111,916,756	1,239,514,823
7647-01-0	Hydrochloric acid	1,185,445,564	3,660,907	1,189,106,471
7664-41-7	Ammonia	692,414,698	12,344,775	704,759,474
74-85-1	Ethylene	538,643,001	6,021,776	544,664,777
115-07-1	Propylene	382,091,545	2,865,039	384,956,584
108-88-3	Toluene	292,732,134	23,951,145	316,683,279
--	Nitrate compounds	180,515,480	114,005,322	294,520,801
7697-37-2	Nitric acid	253,896,386	10,146,383	264,042,769
7782-50-5	Chlorine	216,447,097	411,555	216,858,653
7664-39-3	Hydrogen fluoride	186,501,764	1,554,342	188,056,107
463-58-1	Carbonyl sulfide	150,033,085	203	150,033,288
64-18-6	Formic acid	139,815,084	918,450	140,733,534
74-90-8	Hydrogen cyanide	97,825,417	14,344	97,839,761
78-93-3	Methyl ethyl ketone	84,765,021	8,415,715	93,180,736
7664-93-9	Sulfuric acid	83,109,187	1,316,009	84,425,196
107-21-1	Ethylene glycol	53,514,804	24,101,035	77,615,839
1330-20-7	Xylene (mixed isomers)	60,067,038	16,964,685	77,031,722
110-54-3	n-Hexane	71,179,613	4,784,310	75,963,923
106-99-0	1,3-Butadiene	67,007,065	1,944,784	68,951,849
50-00-0	Formaldehyde	57,365,302	4,713,059	62,078,361
	Subtotal for Top 20 Chemicals	**5,920,967,351**	**350,050,594**	**6,271,017,945**
	Total for all TRI Chemicals	**7,072,524,739**	**496,099,252**	**7,568,623,992**

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to *The Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data* document at **www.epa.gov/tri/tridata.**

Data are from TRI Form R, Section 8.6, Column B (Treated on-site) and Section 8.7, Column B (Treated off-site).

* Manufacturing industries include SIC code 20-39 and "no codes" category.

The 20 Chemicals with Largest Total Treated On-site and Off-site, 2003: Chemical Manufacturing (SIC Code 28)

CAS Number	Chemname	Quantity Treated On-site Pounds	Quantity Treated Off-site Pounds	Total Quantity Treated On-site and Off-site Pounds
7647-01-0	Hydrochloric acid	1,133,094,788	737,286	1,133,832,074
74-85-1	Ethylene	495,136,389	5,020,679	500,157,068
7664-41-7	Ammonia	431,881,047	5,989,068	437,870,115
115-07-1	Propylene	308,146,627	2,631,586	310,778,213
67-56-1	Methanol	190,883,109	70,409,196	261,292,305
7782-50-5	Chlorine	162,773,431	224,541	162,997,971
7697-37-2	Nitric acid	116,454,757	1,890,833	118,345,590
--	Nitrate compounds	65,324,381	50,170,117	115,494,498
108-88-3	Toluene	78,560,262	20,005,772	98,566,034
74-90-8	Hydrogen cyanide	90,076,478	12,790	90,089,268
64-18-6	Formic acid	61,073,659	772,934	61,846,593
106-99-0	1,3-Butadiene	58,052,492	1,804,722	59,857,214
107-21-1	Ethylene glycol	43,134,647	14,507,143	57,641,790
7664-93-9	Sulfuric acid	55,529,795	210,191	55,739,986
110-54-3	n-Hexane	48,417,737	4,490,183	52,907,919
107-06-2	1,2-Dichloroethane	50,225,829	1,480,473	51,706,302
50-00-0	Formaldehyde	48,545,540	1,689,276	50,234,817
71-43-2	Benzene	42,396,017	2,209,646	44,605,663
108-31-6	Maleic anhydride	38,426,575	1,232,305	39,658,880
7550-45-0	Titanium tetrachloride	38,769,386	156,376	38,925,762
	Subtotal for Top 20 Chemicals	**3,556,902,944**	**185,645,116**	**3,742,548,061**
	Total for all TRI Chemicals	**4,349,721,908**	**315,199,775**	**4,664,921,684**

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to *The Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data* document at **www.epa.gov/tri/tridata.**

Data are from TRI Form R, Section 8.6, Column B (Treated on-site) and Section 8.7, Column B (Treated off-site).

The 20 Chemicals with Largest Total Treated On-site and Off-site, 2003: Primary Metals (SIC Code 33)

CAS Number	Chemname	Quantity Treated On-site Pounds	Quantity Treated Off-site Pounds	Total Quantity Treated On-site and Off-site Pounds
7664-39-3	Hydrogen fluoride	131,441,659	368,282	131,809,941
7697-37-2	Nitric acid	53,239,854	1,483,062	54,722,916
7782-50-5	Chlorine	41,115,553	9	41,115,562
7647-01-0	Hydrochloric acid	26,368,241	1,708,715	28,076,956
7664-41-7	Ammonia	26,189,979	304,648	26,494,628
--	Nitrate compounds	6,130,960	6,878,749	13,009,709
74-85-1	Ethylene	9,608,120	1,000,015	10,608,135
108-95-2	Phenol	8,764,360	175,737	8,940,097
78-93-3	Methyl ethyl ketone	6,483,936	76,071	6,560,008
67-56-1	Methanol	789,992	5,472,341	6,262,333
108-88-3	Toluene	4,245,742	91,435	4,337,177
7632-00-0	Sodium nitrite	3,926,674	346,626	4,273,300
--	Cyanide compounds	3,939,766	239,119	4,178,885
1330-20-7	Xylene (mixed isomers)	2,988,555	21,601	3,010,156
74-90-8	Hydrogen cyanide	2,748,008	0	2,748,008
95-63-6	1,2,4-Trimethylbenzene	2,540,620	13,299	2,553,919
71-43-2	Benzene	2,360,881	51,534	2,412,415
872-50-4	N-Methyl-2-pyrrolidone	2,348,713	1,759	2,350,472
7429-90-5	Aluminum (fume or dust)	2,276,957	56,233	2,333,190
7664-93-9	Sulfuric acid	1,669,344	446,031	2,115,375
	Subtotal for Top 20 Chemicals	**339,177,914**	**18,735,267**	**357,913,181**
	Total for all TRI Chemicals	**352,628,564**	**19,581,610**	**372,210,175**

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to *The Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data* document at **www.epa.gov/tri/tridata.**

Data are from TRI Form R, Section 8.6, Column B (Treated on-site) and Section 8.7, Column B (Treated off-site).

The 20 Chemicals with Largest Total Treated On-site and Off-site, 2003: Paper Products (SIC Code 26)

CAS Number	Chemname	Quantity Treated On-site Pounds	Quantity Treated Off-site Pounds	Total Quantity Treated On-site and Off-site Pounds
67-56-1	Methanol	899,688,092	33,320,650	933,008,741
64-18-6	Formic acid	75,458,138	13,782	75,471,920
10049-04-4	Chlorine dioxide	37,273,687	5	37,273,692
108-88-3	Toluene	34,668,144	1,307,691	35,975,835
78-93-3	Methyl ethyl ketone	15,570,592	2,207,211	17,777,803
7664-41-7	Ammonia	15,142,547	54,225	15,196,772
7782-50-5	Chlorine	9,803,528	59,305	9,862,833
7647-01-0	Hydrochloric acid	7,143,944	0	7,143,944
75-07-0	Acetaldehyde	6,761,729	144,418	6,906,147
7664-93-9	Sulfuric acid	5,346,988	0	5,346,988
50-00-0	Formaldehyde	2,648,282	127,222	2,775,504
10028-15-6	Ozone	2,400,000	0	2,400,000
1330-20-7	Xylene (mixed isomers)	2,148,956	180,760	2,329,716
108-95-2	Phenol	1,868,356	36,252	1,904,608
110-54-3	n-Hexane	1,639,163	22,677	1,661,840
107-21-1	Ethylene glycol	451,419	533,429	984,848
75-15-0	Carbon disulfide	970,541	0	970,541
--	Nitrate compounds	723,895	143,107	867,002
120-80-9	Catechol	719,888	11,351	731,239
872-50-4	N-Methyl-2-pyrrolidone	437,650	220,071	657,721
	Subtotal for Top 20 Chemicals	**1,120,865,540**	**38,382,156**	**1,159,247,695**
	Total for all TRI Chemicals	**1,123,852,463**	**38,721,097**	**1,162,573,560**

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to *The Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data* document at **www.epa.gov/tri/tridata.**

Data are from TRI Form R, Section 8.6, Column B (Treated on-site) and Section 8.7, Column B (Treated off-site).

The 20 Chemicals with Largest Total Treated On-site and Off-site, 2003: Food Products (SIC Code 20)

CAS Number	Chemname	Quantity Treated On-site Pounds	Quantity Treated Off-site Pounds	Total Quantity Treated On-site and Off-site Pounds
--	Nitrate compounds	100,891,205	23,461,959	124,353,164
7697-37-2	Nitric acid	35,307,368	2,908,968	38,216,336
7664-41-7	Ammonia	28,267,318	4,305,061	32,572,379
107-21-1	Ethylene glycol	5,996,090	4,283,596	10,279,686
7664-93-9	Sulfuric acid	2,820,741	544,319	3,365,060
7632-00-0	Sodium nitrite	3,173,827	104,690	3,278,517
7647-01-0	Hydrochloric acid	2,549,907	0	2,549,907
67-56-1	Methanol	1,702,521	479,110	2,181,631
75-21-8	Ethylene oxide	1,781,880	121	1,782,001
7782-50-5	Chlorine	1,502,554	13,718	1,516,272
75-07-0	Acetaldehyde	998,850	122,768	1,121,618
75-56-9	Propylene oxide	671,456	6,686	678,142
--	Glycol ethers	118,100	232,565	350,665
7664-39-3	Hydrogen fluoride	222,429	0	222,429
10049-04-4	Chlorine dioxide	184,440	0	184,440
110-54-3	n-Hexane	95,151	28,437	123,588
--	Mixtures and other trade name products	97,879	18,876	116,755
10028-15-6	Ozone	114,676	0	114,676
--	Polycyclic aromatic compounds	102,464	0	102,464
95-63-6	1,2,4-Trimethylbenzene	80,716	0	80,716
	Subtotal for Top 20 Chemicals	**186,679,571**	**36,510,873**	**223,190,444**
	Total for all TRI Chemicals	**186,871,477**	**36,546,130**	**223,417,607**

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to *The Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data* document at **www.epa.gov/tri/tridata.**

Data are from TRI Form R, Section 8.6, Column B (Treated on-site) and Section 8.7, Column B (Treated off-site).

Chemicals with Largest Total Treated On-site and Off-site, 2003: Metal Mining (SIC Code 10)

CAS Number	Chemname	Quantity Treated On-site Pounds	Quantity Treated Off-site Pounds	Total Quantity Treated On-site and Off-site Pounds
7664-93-9	Sulfuric acid	33,413,230	0	33,413,230
--	Cyanide compounds	12,610,598	0	12,610,598
7697-37-2	Nitric acid	2,329,000	0	2,329,000
7632-00-0	Sodium nitrite	2,103,877	0	2,103,877
--	Nitrate compounds	836,575	10	836,585
7664-41-7	Ammonia	49,700	0	49,700
74-90-8	Hydrogen cyanide	18,746	0	18,746
7782-50-5	Chlorine	5,100	0	5,100
7664-39-3	Hydrogen fluoride	3,200	0	3,200
108-88-3	Toluene	0	1,785	1,785
1330-20-7	Xylene (mixed isomers)	0	1,100	1,100
--	Polycyclic aromatic compounds	0	164	164
107-21-1	Ethylene glycol	0	39	39
--	Dioxin and dioxin-like compounds	0.005	0	0.005
	Total for all TRI Chemicals	**51,370,026**	**3,098**	**51,373,124**

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to *The Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data* document at **www.epa.gov/tri/tridata.**

Data are from TRI Form R, Section 8.6, Column B (Treated on-site) and Section 8.7, Column B (Treated off-site).

Chemicals with Largest Total Treated On-site and Off-site, 2003: Coal Mining (SIC Code 12)

CAS Number	Chemname	Quantity Treated On-site Pounds	Quantity Treated Off-site Pounds	Total Quantity Treated On-site and Off-site Pounds
7647-01-0	Hydrochloric acid	253,158	0	253,158
7664-93-9	Sulfuric acid	13,753	0	13,753
	Total for all TRI Chemicals	**266,911**	**0**	**266,911**

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to *The Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data* document at **www.epa.gov/tri/tridata.**

Data are from TRI Form R, Section 8.6, Column B (Treated on-site) and Section 8.7, Column B (Treated off-site).

Chemicals with Largest Total Treated On-site and Off-site, 2003: Electric Utilities (SIC Codes 491/493)

CAS Number	Chemname	Quantity Treated On-site Pounds	Quantity Treated Off-site Pounds	Total Quantity Treated On-site and Off-site Pounds
7664-93-9	Sulfuric acid	322,192,048	0	322,192,048
7647-01-0	Hydrochloric acid	229,691,156	0	229,691,156
7664-41-7	Ammonia	48,461,830	404	48,462,234
7664-39-3	Hydrogen fluoride	41,387,037	0	41,387,037
--	Polycyclic aromatic compounds	2,110,550	51	2,110,600
7782-50-5	Chlorine	831,123	0	831,123
--	Barium compounds	374,023	42	374,065
--	Mixtures and other trade name products	350,334	0	350,334
--	Nitrate compounds	305,000	0	305,000
107-21-1	Ethylene glycol	17,000	22,014	39,014
191-24-2	Benzo(g,h,i)perylene	14,362	16	14,378
7632-00-0	Sodium nitrite	14,369	0	14,369
95-63-6	1,2,4-Trimethylbenzene	0	54	54
110-54-3	n-Hexane	0	54	54
1336-36-3	Polychlorinated biphenyls (PCBs)	18	0	18
--	Lead compounds	0	3	3
91-20-3	Naphthalene	0	3	3
	Total for all TRI Chemicals	**645,748,850**	**22,641**	**645,771,491**

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to *The Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data* document at **www.epa.gov/tri/tridata.**

Data are from TRI Form R, Section 8.6, Column B (Treated on-site) and Section 8.7, Column B (Treated off-site).

The 20 Chemicals with Largest Total Treated On-site and Off-site, 2003: Chemical Wholesale Distributors (SIC Code 5169)

CAS Number	Chemname	Quantity Treated On-site Pounds	Quantity Treated Off-site Pounds	Total Quantity Treated On-site and Off-site Pounds
1330-20-7	Xylene (mixed isomers)	18,520	503,652	522,172
78-93-3	Methyl ethyl ketone	3,434	309,436	312,870
108-88-3	Toluene	2,301	289,941	292,242
7664-41-7	Ammonia	223,871	51,309	275,180
108-10-1	Methyl isobutyl ketone	28	205,517	205,545
7647-01-0	Hydrochloric acid	193,512	0	193,512
106-99-0	1,3-Butadiene	168,200	0	168,200
67-56-1	Methanol	3,914	108,816	112,730
7697-37-2	Nitric acid	57,609	19,007	76,616
7664-93-9	Sulfuric acid	69,885	8	69,893
--	Glycol ethers	1,204	64,119	65,323
107-21-1	Ethylene glycol	1	65,187	65,188
75-09-2	Dichloromethane	2,250	44,849	47,099
115-07-1	Propylene	31,300	0	31,300
71-36-3	n-Butyl alcohol	12	28,818	28,830
7664-39-3	Hydrogen fluoride	27,319	1,270	28,589
127-18-4	Tetrachloroethylene	0	24,783	24,783
79-01-6	Trichloroethylene	8	20,155	20,164
110-54-3	n-Hexane	6,467	13,580	20,047
111-42-2	Diethanolamine	4	15,023	15,027
	Subtotal for Top 20 Chemicals	**809,839**	**1,765,470**	**2,575,309**
	Total for all TRI Chemicals	**828,945**	**1,855,073**	**2,684,019**

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to *The Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data* document at **www.epa.gov/tri/tridata.**

Data are from TRI Form R, Section 8.6, Column B (Treated on-site) and Section 8.7, Column B (Treated off-site).

The 20 Chemicals with Largest Total Treated On-site and Off-site, 2003: Petroleum Terminals/Bulk Storage (SIC Code 5171)

CAS Number	Chemname	Quantity Treated On-site Pounds	Quantity Treated Off-site Pounds	Total Quantity Treated On-site and Off-site Pounds
1634-04-4	Methyl tert-butyl ether	3,336,472	5,666	3,342,138
74-85-1	Ethylene	1,744,020	0	1,744,020
108-88-3	Toluene	1,212,507	340,559	1,553,065
110-54-3	n-Hexane	1,390,363	124,681	1,515,045
1330-20-7	Xylene (mixed isomers)	447,636	307,210	754,846
71-43-2	Benzene	583,209	55,593	638,802
115-07-1	Propylene	637,776	0	637,776
106-99-0	1,3-Butadiene	282,263	798	283,061
110-82-7	Cyclohexane	164,597	57,628	222,226
95-63-6	1,2,4-Trimethylbenzene	84,611	89,629	174,240
100-41-4	Ethylbenzene	120,657	51,986	172,643
78-93-3	Methyl ethyl ketone	6,800	21,621	28,421
91-20-3	Naphthalene	4,454	14,361	18,815
107-21-1	Ethylene glycol	1	12,079	12,080
75-65-0	tert-Butyl alcohol	11,390	37	11,427
--	Glycol ethers	59	8,432	8,491
108-10-1	Methyl isobutyl ketone	140	5,961	6,101
108-38-3	m-Xylene	4,586	0	4,586
78-92-2	sec-Butyl alcohol	23	2,613	2,636
77-73-6	Dicyclopentadiene	0	2,630	2,630
	Subtotal for Top 20 Chemicals	**10,031,565**	**1,101,483**	**11,133,048**
	Total for all TRI Chemicals	**10,038,968**	**1,104,925**	**11,143,894**

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to *The Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data* document at **www.epa.gov/tri/tridata.**

Data are from TRI Form R, Section 8.6, Column B (Treated on-site) and Section 8.7, Column B (Treated off-site).

The 20 Chemicals with Largest Total Treated On-site and Off-site, 2003: Hazardous Waste/Solvent Recovery (SIC Codes 7389/4953

CAS Number	Chemname	Quantity Treated On-site Pounds	Quantity Treated Off-site Pounds	Total Quantity Treated On-site and Off-site Pounds
7647-01-0	Hydrochloric acid	23,268,804	0	23,268,804
108-88-3	Toluene	17,608,667	3,739,324	21,347,991
67-56-1	Methanol	15,938,549	2,834,961	18,773,510
110-54-3	n-Hexane	13,894,998	221,573	14,116,571
75-09-2	Dichloromethane	5,789,872	6,159,989	11,949,862
78-93-3	Methyl ethyl ketone	7,576,842	2,602,658	10,179,500
1330-20-7	Xylene (mixed isomers)	7,939,073	1,505,462	9,444,535
67-63-0	Isopropyl alcohol (strong acid manufacturing only)	8,096,439	3,137	8,099,576
7782-50-5	Chlorine	6,652,410	2	6,652,412
7697-37-2	Nitric acid	6,375,962	163,900	6,539,862
1336-36-3	Polychlorinated biphenyls (PCBs)	3,976,039	1,378,328	5,354,367
75-21-8	Ethylene oxide	5,081,124	5,217	5,086,341
7664-39-3	Hydrogen fluoride	4,168,902	20,901	4,189,802
75-05-8	Acetonitrile	3,994,960	82,200	4,077,160
100-41-4	Ethylbenzene	3,190,128	285,298	3,475,426
127-18-4	Tetrachloroethylene	2,674,087	782,377	3,456,464
71-43-2	Benzene	3,383,097	52,508	3,435,605
100-42-5	Styrene	3,045,603	31,361	3,076,964
91-20-3	Naphthalene	3,011,754	372	3,012,126
--	Nitrate compounds	1,312,189	1,548,394	2,860,583
	Subtotal for Top 20 Chemicals	**146,979,500**	**21,417,962**	**168,397,462**
	Total for all TRI Chemicals	**222,536,945**	**26,976,882**	**249,513,827**

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to *The Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data* document at **www.epa.gov/tri/tridata.**

Data are from TRI Form R, Section 8.6, Column B (Treated on-site) and Section 8.7, Column B (Treated off-site).