

Table 368. Toxic Chemical Releases and Transfers by Media: 2002 to 2007

[In millions of pounds (4,747.2 represents 4,747,200,000), except as indicated. Based on reports filed as required by Section 313 of the Emergency Planning and Community Right-to-Know Act (EPCRA, or Title III of the Superfund Amendments and Reauthorization Act of 1986), Public Law 99-499. The Pollution Prevention Act (PPA) of 1990 mandates collection of data on toxic chemicals that are treated on-site, recycled, and combusted for energy recovery. Owners and operators of facilities that are classified within North American Industrial Classification Code groups 31 through 33, 2121, 2122, 2211, 4246, 4247 and 562; have 10 or more full-time employees, and that manufacture, process, or otherwise use any listed toxic chemical in quantities greater than the established threshold in the course of a calendar year are covered and required to report. Includes all Persistent, Bioaccumulative, Toxic (PBT) chemicals and vanadium and vanadium compounds. Data for all the years have been revised]

Media	2002	2003	2004	2005	2006	2007
Total facilities reporting	25,108	24,533	24,317	23,965	23,300	21,966
Total on- and off-site disposal or other releases	4,747.2	4,446.4	4,245.7	4,356.0	4,309.3	4,086.2
On-site releases	4,261.6	3,960.5	3,730.8	3,821.5	3,773.0	3,538.0
Air emissions	1,614.4	1,584.9	1,542.4	1,513.3	1,409.4	1,311.6
Surface water discharges	243.4	230.7	247.7	251.9	245.2	232.0
Underground injection class I	206.5	207.2	210.3	211.5	199.8	187.6
Underground injection class II-V	20.5	22.0	27.7	20.2	20.1	21.5
RCRA subtitle C landfills ¹	156.0	199.8	155.5	158.5	155.3	153.4
Other landfills	267.2	265.0	257.1	255.9	251.1	249.2
Land treatment/application farming	24.3	18.2	21.5	23.7	26.8	21.7
Surface impoundments	771.6	822.6	726.4	789.7	829.9	775.8
Other land disposal	957.8	610.2	542.1	596.9	635.4	585.2
Off-site releases	485.6	485.9	514.9	534.5	536.3	548.2
Total transfers offsite for further waste management	3,928.9	3,697.0	3,986.0	3,923.8	3,959.4	3,814.8
Transfers to recycling	2,021.5	1,903.0	2,066.1	2,075.7	2,155.1	2,105.1
Transfers to energy recovery	739.9	650.0	649.9	608.4	554.9	522.7
Transfers to treatment	264.1	279.1	326.8	337.3	329.3	280.0
Transfers to POTWs ²	304.0	269.8	259.4	263.4	258.3	243.1
Transfers to POTWs metal and metal compounds ²	2.0	1.9	1.7	1.8	1.8	1.9
Other off-site transfers	0.9	0.9	71.5	0.4	0.2	0.2
Transfers off-site for disposal or other releases	596.6	592.2	610.7	636.9	659.8	665.4
Total production-related waste managed	26,000.4	25,056.5	25,830.9	24,811.5	24,529.3	24,195.8
Recycled on-site	7,652.5	7,143.3	7,140.4	6,721.1	6,816.5	6,819.9
Recycled off-site	2,015.8	1,905.1	2,066.7	2,080.5	2,158.4	2,084.5
Energy recovery on-site	2,789.1	2,641.6	2,609.6	2,448.1	2,692.3	2,331.1
Energy recovery off-site	740.6	649.8	649.2	608.2	554.2	520.7
Treated on-site	7,355.7	7,616.2	8,445.0	7,908.8	7,290.0	7,678.9
Treated off-site	552.7	518.9	565.9	575.3	552.9	498.8
Quantity disposed or otherwise release of on- and off-site	4,894.1	4,581.7	4,354.2	4,469.5	4,464.9	4,261.8
Non-production-related waste managed	18.2	25.3	19.2	24.3	18.2	14.4

¹ RCRA = Resource Conservation and Recovery Act. ² POTW (Publicly Owned Treatment Work) is a wastewater treatment facility that is owned by a state or municipality.

Source: U.S. Environmental Protection Agency, Toxic Release Inventory (TRI) Program, *2007 TRI Public Data Release eReport*. See <<http://www.epa.gov/tri/tridata/tri07/index.htm>> (released 19 March 2009).