

### **Reported Releases and Waste Management Activities (in pounds)**

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	Original Industries	New Industries	Total
On-site Releases	81,554,756	55,519,784	137,074,540
Air Emissions	73,652,645	33,607,284	107,259,929
Surface Water Discharges	2,074,806	720,424	2,795,230
Underground Injection Class I Wells	0	0	0
Underground Injection Class II-V Wells	0	0	0
On-site Land Releases to RCRA Subtitle C Landfills	136,933	0	136,933
Other On-site Land Releases	5,690,372	21,192,076	26,882,448
Off-site Releases (Transfers Off-site to Disposal)*	6,916,131	320,356	7,236,487
Total On- and Off-site Releases	88,470,887	55,840,140	144,311,027
Recycled On-site	186,892,360	9,638,057	196,530,417
Recycled Off-site	69,347,509	905,556	70,253,065
Energy Recovery On-site	70,758,123	134,378	70,892,501
Energy Recovery Off-site	5,579,717	3,591,841	9,171,558
Treated On-site	80,882,672	25,583,396	106,466,068
Treated Off-site**	6,660,518	51,697	6,712,215
Quantity Released On- and Off-site***	95,458,734	55,777,641	151,236,375
Total Production-related Waste Managed	515,579,633	95,682,566	611,262,199
Total Non-production-related Waste Managed	114,475	251	114,726

#### Transfers Off-site for Further Waste Management/Disposal

	-		
Recycling	79,477,219	906,606	80,383,825
Energy Recovery	5,739,458	3,590,272	9,329,730
Treatment	2,116,923	18,977	2,135,900
Publicly Owned Treatment Works (POTWs)	4,700,518	57,935	4,758,453
Metals and Metal Compounds*	61,966	255	62,221
Non-metal TRI Chemicals**	4,638,552	57,680	4,696,232
Other Off-site Transfers****	250	0	250
Off-site Transfers to Disposal (not including metals to POTWs)	9,971,644	320,968	10,292,612
Total Transfers Off-site for Further Waste Management/Disposal	102,006,012	4,894,758	106,900,770

\* Transfers to POTWs of metals and metal compounds are included in off-site releases. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.

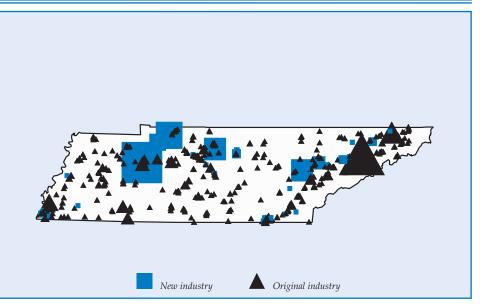
\*\* Transfers to POTWs of non-metals are included in treated off-site waste management activity.

\*\*\* Excludes non-production-related releases; e.g. releases due to catastrophic events or remedial actions.

\*\*\*\*Transfers reported without a valid waste management code.

### For More Information . . .

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The largest marker in the state map represents the largest facility for on-site releases in the state of Tennessee. All markers are proportionally-sized to represent the on-site releases at each facility within this state.

#### State/TRI Data

Population			5,483,535
Square Miles			41,220
Total Facilities			666
Total Forms			2,349
Form As			340
	Original Industries	New Industries	Total
National Rank for Total On- and Off	-site Releases*		
Rank	7	21	14
Pounds	88,470,887	55,840,140	144,311,027
National Rank for Total On-site Rele	ases**		
Rank	6	19	14
Pounds	81,554,756	55,519,784	137,074,540
National Rank for Total Releases wit	thin State***		
Rank	8	20	15
Pounds	87,086,750	55,820,024	142,906,774
National Rank for Production-relate	d Waste Managed		
Rank	15	18	18
Pounds	515,579,633	95,682,566	611,262,199
	515,579,633	95,682,566	611,262,199

\* Includes transfers out-of-state for disposal. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.

\*\* Includes amounts released at the facility. Excludes amounts transferred to other sites.

\*\*\* Excludes transfers for disposal sent out-of-state or sent to other TRI facilities within the state reporting that amount released on-site.



		On-site Releases Off-site Releases Off-site Transfers to Disp								osal		
	Un-site Keleases			On-site Releases				Off-site	e Transfers to Disposa	1		
			Surface		On-site	Transfers	Total	Transferred	Transferred	Transferred		
CAS		Air	Water	Underground	Releases to	Off-site to	Releases in	Into	Within	Out of		
Number	Chemical	Emissions	Discharges	Injection	Land	Disposal*	the State**	State	State	State		
		Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds		
75-15-0	Carbon disulfide	16,760,506	416	0	250	0	16,761,172	250	0	0		
108-88-3	Toluene	9,163,445	199	0	12,623	30,072	9,206,339	320	17,164	13,668		
67-56-1	Methanol	7,692,876	9,614	0	3,446	690	7,706,626	0	0	690		
100-42-5	Styrene	7,157,806	750	0	105,435	147,064	7,411,055	10,962	147,064	0		
7664-41-7	Ammonia	6,264,032	523,128	0	1,274	256	6,788,690	15,122	254	2		
	Manganese compounds	59,869	37,315	0	3,801,594	2,117,855	6,016,633	64,558	1,486,139	631,716		
	Zinc compounds	363,889	43,318	0	619,694	4,815,640	5,842,541	54,856	1,189,386	3,626,254		
7647-01-0	Hydrochloric acid	3,562,479	0	0	0	0	3,562,479	35,300	0	0		
1330-20-7	Xylene (mixed isomers)	3,040,489	185	0	11,728	2,410	3,054,812	0	824	1,586		
75-09-2	Dichloromethane	2,824,921	0	0	0	0	2,824,921	0	0	0		

### On-site and Off-site Releases for Top Ten Chemicals Ranked on Total Releases in the State (Original Industries)

Excludes amounts transferred to other TRI facilities in the state reporting that amount released on-site.
\*\* The chemical ranking is based on the amounts in this column.

			On-site Re	leases		Off-site Releases		Off-site	e Transfers to Disposa	1
			Surface		On-site	Transfers	Total	Transferred	Transferred	Transferred
CAS		Air	Water	Underground	Releases to	Off-site to	Releases in	Into	Within	Out of
Number	Chemical	Emissions	Discharges	Injection	Land	Disposal*	the State**	State	State	State
		Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
7647-01-0	Hydrochloric acid	26,300,178	0	0	0	0	26,300,178	0	0	0
	Zinc compounds	56,976	29,184	0	13,133,287	71,938	13,291,385	360	67,375	4,563
7664-93-9	Sulfuric acid	5,761,700	0	0	0	0	5,761,700	0	0	0
	Barium compounds	15,160	48,000	0	3,182,260	117,350	3,362,770	2,101	111,250	6,100
7664-39-3	Hydrogen fluoride	1,341,735	0	0	0	0	1,341,735	12	0	0
	Manganese compounds	4,763	25,650	0	1,103,152	28,860	1,162,425	0	25,560	3,300
	Copper compounds	2,815	14,970	0	1,004,498	25,010	1,047,293	0	24,010	1,000
	Lead compounds	1,902	3,760	0	833,065	13,015	851,742	134	11,405	1,610
	Chromium compounds	7,925	4,450	0	630,705	23,110	666,190	112	21,505	1,605
	Nitrate compounds	0	562,057	0	57,409	0	619,466	28	0	0

\* Excludes amounts transferred to other TRI facilities in the state reporting that amount released on-site.

\*\* The chemical ranking is based on the amounts in this column.



### On- and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (Original Industries)

				Off-site R (Transfers Off-sit					
			Undergrou	nd Injection	On-site Rel	eases to Land			
Facility, City, County	Air Emissions	Surface Water Discharges	Class I Wells	Class II-V Wells	RCRA Subtitle C Landfills	Other On-site Land Releases	Total On-site Releases*	Transferred Within State	Transferred Out of State
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
Lenzing Fibers Corp., Lowland, Hamblen	13,701,422	15,818	0	0	0	144,210	13,861,450	0	0
Eastman Chemical Co., Tennessee Operations, Kingsport, Sullivan	5,173,303	236,896	0	0	103,543	783,900	6,297,642	0	8,400
PCS Nitrogen Fertilizer L.P., Millington, Shelby	4,476,065	5,160	0	0	0	0	4,481,225	0	5,800
Chemetal Inc., New Johnsonville, Humphreys	46,172	1,164	0	0	0	2,970,337	3,017,673	0	0
Aguaglass Corp., Adamsville, Mc Nairy	2,805,249	0	0	0	0	0	2,805,249	0	0
Quebecor World, Dickson, Dickson	2,660,623	0	0	0	0	15,700	2,660,623	1,439	0
Packaging Corp. of America, Counce, Hardin	2,564,410	7,472	0	0	0	62,000	2,633,882	0	0
Viskase Corp., Loudon, Loudon	2,219,000	0	0	0	0	0	2,219,000	0	0
Du Pont Johnsonville Plant, New Johnsonville, Humphreys	1,314,881	138,040	0	0	0	497,325	1,950,246	0	0
Aquaglass Performance Plant, Mc Ewen, Humphreys	1,892,157	0	0	0	0	0	1,892,157	0	0

\*The facility ranking is based on the amounts in this column; these quantities exclude transfers out of state.

#### On- and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (Seven New Industries)

				Off-site R (Transfers Off-sit					
			Undergrour	d Injection	On-site Rel	eases to Land			
	Air	Surface Water	Class I	Class II-V	RCRA Subtitle C	Other On-site Land	Total On-site	Transferred	Transferred
Facility, City, County	Emissions	Discharges	Wells	Wells	Landfills	Releases	Releases*	Within State	Out of State
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
U.S. TVA Johnsonville Fossil Plant, New Johnsonville, Humphreys	14,165,315	23,005	0	0	0	1,451,850	15,640,170	10,415	0
Pasminco Zinc Inc., Clarksville, Montgomery	185,947	6,349	0	0	0	9,324,951	9,517,247	0	68
U.S. TVA Gallatin Fossil Plant, Gallatin, Sumner	5,922,830	23,350	0	0	0	1,615,300	7,561,480	23,050	0
U.S. TVA Kingston Fossil Plant, Harriman, Roane	5,867,405	51,700	0	0	0	1,518,900	7,438,005	3,860	5
U.S. TVA Cumberland Fossil Plant, Cumberland City, Stewart	2,196,070	574,850	0	0	0	2,452,130	5,223,050	505	22,355
U.S. TVA Bull Run Fossil Plant, Clinton, Anderson	3,184,055	12,400	0	0	0	350,160	3,546,615	218,900	0
Pasminco Zinc Inc. Gordonsville Mine, Gordonsville, Smith	3,184	860	0	0	0	1,790,934	1,794,978	0	0
ASARCO Inc. Young Mine & Mill, Strawberry Plains, Jefferson	3,046	250	0	0	0	1,655,910	1,659,206	0	0
U.S. TVA John Sevier Fossil Plant, Rogersville, Hawkins	1,325,150	8,800	0	0	0	310,500	1,644,450	0	5
U.S. TVA Allen Fossil Plant, Memphis, Shelby	681,930	5 <i>,</i> 500	0	0	0	296,110	983,540	1,270	0

\*The facility ranking is based on the amounts in this column; these quantities exclude transfers out of state.



### Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (Original Industries)

Facility, City, County	<b>Recycled</b> On-site Pounds	<b>Recycled</b> Off-site Pounds	Energy Recovery On-site Pounds	Energy Recovery Off-site Pounds	<b>Treated</b> <b>On-site</b> Pounds	<b>Treated</b> <b>Off-site</b> Pounds	Quantity Released On- and Off-site* Pounds	Total Production- related Waste Managed Pounds	Total Non- production- related Waste Managed Pounds
Lenzing Fibers Corp., Lowland, Hamblen	5,408,000	0	0	0	219,327	0	13,860,500	19,487,827	0
Eastman Chemical Co., Tennessee Operations, Kingsport, Sullivan	550	657,400	5,207,988	1,131,000	19,642,653	19,221	6,300,146	32,958,958	0
PCS Nitrogen Fertilizer L.P., Millington, Shelby	0	0	0	0	500	210,310	4,481,690	4,692,500	13,256
Praxis Inds., Savannah, Hardin	0	999	0	0	0	0	4,217,293	4,218,292	76
Birmingham Steel Memphis SBQ Bar Rod & Wire Div., Memphis, Shelby	0	0	0	0	0	0	3,376,907	3,376,907	0
Chemetal Inc., New Johnsonville, Humphreys	0	0	0	0	0	0	3,017,659	3,017,659	0
Aguaglass Corp., Adamsville, Mc Nairy	0	0	0	14,623	0	0	2,805,249	2,819,872	7,514
Quebecor World, Dickson, Dickson	13,922,759	101,853	0	8,109	0	1,439	2,660,624	16,694,784	0
Packaging Corp. of America, Counce, Hardin	0	0	567,900	0	6,700,804	0	2,627,004	9,895,708	0
Viskase Corp., Loudon, Loudon	0	0	0	0	0	74,000	2,230,000	2,304,000	0

\*The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.

### Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (Seven New Industries)

								Total	Total Non-
			Energy	Energy			Quantity	Production-	production-
	Recycled	Recycled	Recovery	Recovery	Treated	Treated	Released On-	related Waste	related Waste
Facility, City, County	On-site	Off-site	On-site	Off-site	On-site	Off-site	and Off-site*	Managed	Managed
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
U.S. TVA Johnsonville Fossil Plant, New Johnsonville, Humphreys	0	0	0	0	1,864,400	0	15,644,020	17,508,420	0
Pasminco Zinc Inc., Clarksville, Montgomery	9,630,780	0	0	0	0	0	9,480,650	19,111,430	8
U.S. TVA Gallatin Fossil Plant, Gallatin, Sumner	0	0	0	0	1,366,000	0	7,573,020	8,939,020	0
U.S. TVA Kingston Fossil Plant, Harriman, Roane	0	103,000	0	0	1,755,000	0	7,431,020	9,289,020	0
U.S. TVA Cumberland Fossil Plant, Cumberland City, Stewart	0	492,000	0	0	17,724,000	0	5,247,720	23,463,720	0
U.S. TVA Bull Run Fossil Plant, Clinton, Anderson	0	0	0	0	607,000	0	3,764,020	4,371,020	0
Pasminco Zinc Inc. Gordonsville Mine, Gordonsville, Smith	0	0	0	0	0	0	1,794,978	1,794,978	0
ASARCO Inc. Young Mine & Mill, Strawberry Plains, Jefferson	0	0	0	0	0	0	1,658,976	1,658,976	0
U.S. TVA John Sevier Fossil Plant, Rogersville, Hawkins	0	0	0	0	971,200	0	1,644,120	2,615,320	0
U.S. TVA Allen Fossil Plant, Memphis, Shelby	0	92,200	0	0	1,119,900	0	986,470	2,198,570	0

\*The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.