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STATE SUMMARY ANALYSIS

THE NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT (BASED ON 1999 DATA)

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EXECUTIVE SUMMARY

THE NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT (BASED ON 1999 DATA)

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EXECUTIVE SUMMARY

The United States Environmental Protection Agency (EPA), in partnership with the States[1], biennially collects information regarding the generation, management, and final disposition of hazardous wastes regulated under the Resource Conservation and Recovery Act of 1976 (RCRA), as amended. The purpose of *The National Biennial RCRA Hazardous Waste Report (Based on 1999 Data)* is to communicate the findings of EPA's 1999 Biennial Report (BR) data collection efforts to the public, government agencies, and the regulated community.[2] The Report consists of six volumes:

- The ***Executive Summary*** provides an overview of national hazardous waste generation and management practices;

- The ***National Analysis*** presents a detailed look at waste-handling practices in the EPA Regions, States, and largest facilities nationally, including (1) the quantity of waste generated, managed, shipped and received, and imported and exported between States and (2) the number of generators and managing facilities;

- The ***State Summary Analysis*** provides a two-page overview of the generation and management practices of individual States;

- The ***State Detail Analysis*** is a detailed look at each State's waste handling practices, including overall totals for generation, management, and shipments and receipts, as well as totals for the largest fifty facilities;

- The ***List of Large Quantity Generators*** identifies every hazardous waste generator in the United States that reported itself to be a large quantity generator in 1999; and

- The ***List of Treatment, Storage, and Disposal Facilities*** identifies every hazardous waste manager in the United States that reported itself to be a treatment, storage, or disposal facility in 1999.

[1] The term "State" includes the District of Columbia, Puerto Rico, Guam, the Navajo Nation, the Trust Territories, and the Virgin Islands, in addition to the 50 United States.

[2] Some respondents from the States of Georgia and Connecticut submitted Confidential Business Information (CBI) pursuant to §40 CFR 260.2(b). While not included in any public database, CBI has been incorporated into the *Executive Summary* and *National Analysis* volumes of this Report wherever possible. Where CBI has been omitted from these volumes, a footnote has been provided.

Exclusion of wastewater from the 1999 National Biennial Report will make cursory comparisons of the 1999 National Biennial Report to National Biennial Reports prior to 1997 misleading. Refer to Executive Summary (ES-2) for a complete explanation.

RCRA HAZARDOUS WASTE

Throughout this Report, the term RCRA hazardous waste refers to solid waste assigned a Federal Hazardous Waste Code and regulated by RCRA. Some States elect to regulate wastes not regulated by EPA; these wastes are assigned State Hazardous Waste Codes and are not included in this Report. The reader can find more detailed explanations in the *RCRA Orientation Manual* (http://www.epa.gov/epaoswer/general/orientat/) and in the Code of Federal Regulations in 40 CFR Parts 260 and 261 (http://www.epa.gov/docs/epacfr40/chapt-I.info/subch-I.htm). Please refer to Appendix D of the *National Analysis* volume for a complete list of EPA Hazardous Waste Codes used by the regulated community for their 1999 Biennial Report submissions. Details about the information submitted by the regulated community can be found in the *1999 Hazardous Waste Report Instructions and Forms* (http://www.epa.gov/epaoswer/hazwaste/data/brs99/forms.htm).

WASTEWATER EXCLUSION LOGIC USED FOR NATIONAL REPORTING

Wastewaters are defined for biennial reporting as wastes that have a particular form and/or are managed on-site or off-site in treatment systems typically used to manage wastewater. All wastes bearing one of the following wastewater Form Codes (B101-102; B105, B110-116) and/or System Type Codes (M071-079; M081-085, 089; M091-094, 099; M121-125, 129; M134-136) are excluded from the National Report data and the 1999 National Biennial Report, **with one exception: wastewaters managed by System Type Code M134 (Deepwell/Underground Injection) are included in the 1999 National Biennial Report.** Refer to Appendix B and C of the *National Analysis* volume for complete descriptions of the System Type Codes and Form Codes referenced above.

In biennial report cycles prior to 1997, the PS Form was used to separate and exclude from the National Report data all wastes going to on-site treatment systems **exempt** from RCRA permitting requirements. **For the 1999 National Biennial Report, EPA included all non-wastewater data and excluded all wastewater data. The wastewater data was excluded regardless of whether the wastes were managed in RCRA permitted systems prior to management in on-site or off-site treatment systems exempt from RCRA permitting requirements.** This is significant, because historically EPA has included only those wastes managed in units subject to RCRA permitting requirements in the National Biennial Reports. EPA does not believe the inclusion of all non-wastewaters will distort the RCRA hazardous waste management picture presented in this Report, because only a small volume of non-wastewaters are managed in treatment systems exempt from RCRA permitting requirements.

Exclusion of wastewater from the 1999 National Biennial Report will make cursory comparisons of the 1999 National Biennial Report to National Biennial Reports prior to 1997 misleading. Refer to Executive Summary (ES-2) for a complete explanation.

RCRA HAZARDOUS WASTE GENERATION

RCRA hazardous waste generation information is obtained from data reported by RCRA large quantity generators (LQGs). A generator is defined as a Federal large quantity generator if:

- the generator generated in any single month 1,000 kg (2,200 pounds or 1.1 tons) or more of RCRA hazardous waste; or

- the generator generated in any single month, or accumulated at any time, 1 kg (2.2 pounds) of RCRA acute hazardous waste; or

- the generator generated, or accumulated at any time, more than 100 kg (220 pounds) of spill cleanup material contaminated with RCRA acute hazardous waste.

All generators that reported LQG status in 1999 are required to provide EPA with 1999 waste generation and management information. It is important to note that the LQGs identified in this Report have been included based on the most current information made available to EPA by the States. Both EPA and the States have made a significant effort to ensure the accuracy of this data. However, the LQG counts may include generators that, when determining whether they were LQGs, used a lower State-defined threshold for LQGs, counted wastes regulated only by their States, or counted wastes exempt from Federal regulation.

To help provide a more accurate picture of hazardous waste generation in the United States, EPA requests specific waste generation information from LQGs. For each RCRA hazardous waste generated, LQGs are required to provide a waste description, the applicable Federal Hazardous Waste Codes that most accurately represent the waste generated, and the quantity of waste generated.

In 1999, 20,083 LQGs reported they generated 40 million tons of RCRA hazardous waste. When comparing the 1997 National Biennial Report with the 1999 Report, the number of LQGs decreased by 233, and the quantity of hazardous waste generated decreased by 650 thousand tons or 1.5%. Beginning with the 1997 BR cycle and continuing with the 1999 BR cycle, the generation of wastewater is excluded from the national reporting logic. For a more detailed description of the wastewater exclusion, please refer to the section of the *Executive Summary* entitled “Wastewater Exclusion Logic Used for National Reporting.” The wastewater exclusion will make cursory comparisons between the 1999 National Biennial Report and National Reports prior to 1997 misleading.

Exclusion of wastewater from the 1999 National Biennial Report will make cursory comparisons of the 1999 National Biennial Report to National Biennial Reports prior to 1997 misleading. Refer to Executive Summary (ES-2) for a complete explanation.

As identified in Exhibit 1, the five (5) States which contributed most to the national hazardous waste generation total in 1999 were Texas (14.9 million tons), Louisiana (4.4 million tons), Illinois (2.9 million tons), Tennessee (2.2 million tons), and Ohio (1.6 million tons). Together, the LQGs in these States accounted for 65% of the national total quantity generated.

Exclusion of wastewater from the 1999 National Biennial Report will make cursory comparisons of the 1999 National Biennial Report to National Biennial Reports prior to 1997 misleading. Refer to Executive Summary (ES-2) for a complete explanation.

Exhibit 1 Quantity of RCRA Hazardous Waste Generated and Number of Hazardous Waste Generators, by State, 1999

State	Hazardous Waste Quantity			Large Quantity Generators		
	Rank	Tons Generated	Percentage	Rank	Number	Percentage
ALABAMA	15	491,178	1.2	24	274	1.4
ALASKA	51	1,335	0.0	44	42	0.2
ARIZONA	38	39,016	0.1	29	193	1.0
ARKANSAS	11	970,995	2.4	26	241	1.2
CALIFORNIA	16	427,302	1.1	2	1,850	9.2
COLORADO	35	49,190	0.1	32	163	0.8
CONNECTICUT	27	92,201	0.2	16	391	1.9
DELAWARE	40	26,071	0.1	42	76	0.4
DISTRICT OF COLUMBIA	52	1,167	0.0	48	30	0.1
FLORIDA	19	272,387	0.7	18	366	1.8
GEORGIA	22	209,206	0.5	17	384	1.9
GUAM	55	696	0.0	55	3	0.0
HAWAII	50	1,456	0.0	47	37	0.2
IDAHO	12	851,764	2.1	46	38	0.2
ILLINOIS	3	2,907,327	7.3	5	1,006	5.0
INDIANA	10	984,895	2.5	9	586	2.9
IOWA	36	46,828	0.1	30	188	0.9
KANSAS	7	1,594,119	4.0	27	224	1.1
KENTUCKY	21	214,842	0.5	20	340	1.7
LOUISIANA	2	4,351,245	10.9	14	440	2.2
MAINE	48	4,374	0.0	38	102	0.5
MARYLAND	32	80,256	0.2	23	289	1.4
MASSACHUSETTS	9	1,191,465	3.0	13	448	2.2
MICHIGAN	8	1,385,375	3.5	8	823	4.1
MINNESOTA	34	56,573	0.1	25	262	1.3
MISSISSIPPI	6	1,598,642	4.0	36	136	0.7
MISSOURI	24	158,682	0.4	22	312	1.6
MONTANA	41	23,986	0.1	48	30	0.1
NAVAJO NATION	56	89	0.0	53	6	0.0
NEBRASKA	37	43,224	0.1	41	85	0.4
NEVADA	44	11,473	0.0	38	102	0.5
NEW HAMPSHIRE	45	11,082	0.0	31	168	0.8
NEW JERSEY	13	650,534	1.6	4	1,071	5.3
NEW MEXICO	20	238,558	0.6	45	41	0.2
NEW YORK	14	548,928	1.4	1	2,647	13.2
NORTH CAROLINA	33	74,757	0.2	12	508	2.5
NORTH DAKOTA	49	2,675	0.0	52	16	0.1
OHIO	5	1,644,029	4.1	3	1,181	5.9
OKLAHOMA	18	417,460	1.0	33	147	0.7
OREGON	30	81,270	0.2	28	208	1.0
PENNSYLVANIA	17	417,477	1.0	6	965	4.8
PUERTO RICO	29	86,630	0.2	37	105	0.5
RHODE ISLAND	39	37,622	0.1	34	145	0.7
SOUTH CAROLINA	42	14,761	0.0	19	347	1.7
SOUTH DAKOTA	53	1,074	0.0	51	21	0.1
TENNESSEE	4	2,218,753	5.5	15	396	2.0
TEXAS	1	14,923,520	37.3	7	907	4.5
TRUST TERRITORIES	54	827	0.0	54	4	0.0
UTAH	31	80,427	0.2	40	91	0.5
VERMONT	46	5,275	0.0	43	65	0.3
VIRGIN ISLANDS	43	12,511	0.0	56	1	0.0
VIRGINIA	25	121,787	0.3	21	332	1.7
WASHINGTON	28	91,245	0.2	10	545	2.7
WEST VIRGINIA	26	92,503	0.2	35	139	0.7
WISCONSIN	23	159,174	0.4	11	540	2.7
WYOMING	47	4,746	0.0	50	22	0.1
CBI DATA	N/A	1,066	N/A	N/A	4	N/A
Total		**40,026,050**	**100.0**		**20,083**	**100.0**

Note: Columns may not sum due to rounding.
Percentages do not include CBI data.

Exclusion of wastewater from the 1999 National Biennial Report will make cursory comparisons of the 1999 National Biennial Report to National Biennial Reports prior to 1997 misleading. Refer to Executive Summary (ES-2) for a complete explanation.

RCRA HAZARDOUS WASTE MANAGEMENT

RCRA hazardous waste management information is obtained from data reported by active, permitted RCRA treatment, storage, or disposal facilities (TSDs). A TSD is defined as any facility which treats, stores, or disposes of RCRA hazardous waste, regardless of the quantity managed. Only wastes that were treated or disposed of in 1999 are included in the management quantities in this Report. Wastes generated and subsequently stored in 1999 are *not* included in the management quantities in this Report. In addition, the management quantities in this Report do *not* include waste from transfer facilities (System Code M141).

To help provide a more accurate picture of hazardous waste management practices in the United States, EPA requests specific waste management information from TSDs. For each RCRA hazardous waste managed, TSDs are required to provide the quantity of waste managed and the System Type Code which represents the management method used to manage the waste.

It is important to note that the total quantity of RCRA hazardous waste generated is less than the total quantity managed. Some of the reasons for this variance include: wastes generated during non-reporting years but shipped and treated or disposed during a reporting year and wastes received for management from generators in foreign countries.

In 1999, 1,575 TSDs reported they managed 26.3 million tons of RCRA hazardous waste. Of the 1,575 facilities, 1,049 were storage-only facilities. When comparing the 1997 National Biennial Report with the 1999 Report, the number of TSDs decreased by 450, and the total quantity of hazardous waste managed decreased by 11.4 million tons or 30%. Beginning with the 1997 BR cycle and continuing with the 1999 BR cycle, the management of wastewater is excluded from the national reporting logic. For a more detailed description of the wastewater exclusion, please refer to the section of the *Executive Summary* entitled “Wastewater Exclusion Logic Used for National Reporting.” The wastewater exclusion will make cursory comparisons between the 1999 National Biennial Report and National Reports prior to 1997 misleading.

As identified in Exhibit 2, the five (5) States whose TSDs managed the largest quantities of hazardous wastes were Texas (5.8 million tons), Louisiana (4.2 million tons), Florida (2.8 million tons), Kansas (2.3 million tons), and Ohio (1.7 million tons). The TSDs in these five (5) States account for 64% of the national management total.

Exclusion of wastewater from the 1999 National Biennial Report will make cursory comparisons of the 1999 National Biennial Report to National Biennial Reports prior to 1997 misleading. Refer to Executive Summary (ES-2) for a complete explanation.

Exhibit 2 Quantity of RCRA Hazardous Waste Managed and Number of RCRA TSD Facilities, by State, 1999

State	Hazardous Waste Quantity [1]			TSD Facilities		
	Rank	Tons Managed	Percentage	Rank	Number	Percentage
ALABAMA	18	211,762	0.8	11	47	3.0
ALASKA	47	4	0.0	40	6	0.4
ARIZONA	38	6,193	0.0	35	16	1.0
ARKANSAS	9	977,784	3.7	18	35	2.2
CALIFORNIA	13	400,559	1.5	1	144	9.1
COLORADO	39	5,282	0.0	33	18	1.1
CONNECTICUT	35	8,627	0.0	31	20	1.3
DELAWARE	41	2,064	0.0	45	5	0.3
DISTRICT OF COLUMBIA	50	0	0.0	51	1	0.1
FLORIDA	3	2,822,198	10.7	12	46	2.9
GEORGIA	23	82,693	0.3	17	37	2.4
GUAM	50	0	0.0	49	2	0.1
HAWAII	46	156	0.0	46	3	0.2
IDAHO	10	860,261	3.3	40	6	0.4
ILLINOIS	12	428,280	1.6	3	86	5.5
INDIANA	7	1,187,981	4.5	20	30	1.9
IOWA	42	1,389	0.0	25	26	1.7
KANSAS	4	2,278,712	8.7	27	24	1.5
KENTUCKY	22	92,897	0.4	23	27	1.7
LOUISIANA	2	4,232,705	16.1	5	68	4.3
MAINE	43	571	0.0	36	10	0.6
MARYLAND	33	12,306	0.0	29	22	1.4
MASSACHUSETTS	36	7,092	0.0	14	43	2.7
MICHIGAN	8	1,132,279	4.3	6	61	3.9
MINNESOTA	29	29,958	0.1	16	40	2.5
MISSISSIPPI	27	45,763	0.2	32	19	1.2
MISSOURI	17	270,066	1.0	8	51	3.2
MONTANA	50	0	0.0	55	0	0.0
NAVAJO NATION	50	0	0.0	55	0	0.0
NEBRASKA	30	27,991	0.1	40	6	0.4
NEVADA	26	48,283	0.2	40	6	0.4
NEW HAMPSHIRE	50	0	0.0	46	3	0.2
NEW JERSEY	19	192,698	0.7	13	44	2.8
NEW MEXICO	49	2	0.0	37	7	0.4
NEW YORK	15	316,470	1.2	7	59	3.7
NORTH CAROLINA	32	20,405	0.1	4	75	4.8
NORTH DAKOTA	44	504	0.0	37	7	0.4
OHIO	5	1,652,870	6.3	10	49	3.1
OKLAHOMA	11	485,193	1.8	20	30	1.9
OREGON	28	38,874	0.1	40	6	0.4
PENNSYLVANIA	16	293,078	1.1	8	51	3.2
PUERTO RICO	21	116,796	0.4	19	31	2.0
RHODE ISLAND	40	2,220	0.0	46	3	0.2
SOUTH CAROLINA	14	329,906	1.3	25	26	1.7
SOUTH DAKOTA	50	0	0.0	51	1	0.1
TENNESSEE	6	1,551,844	5.9	22	28	1.8
TEXAS	1	5,806,458	22.1	2	105	6.7
TRUST TERRITORIES	45	185	0.0	51	1	0.1
UTAH	20	156,799	0.6	23	27	1.7
VERMONT	48	4	0.0	37	7	0.4
VIRGIN ISLANDS	34	11,400	0.0	51	1	0.1
VIRGINIA	24	70,587	0.3	14	43	2.7
WASHINGTON	31	27,371	0.1	28	23	1.5
WEST VIRGINIA	25	55,017	0.2	29	22	1.4
WISCONSIN	37	6,671	0.0	33	18	1.1
WYOMING	50	0	0.0	49	2	0.1
CBI DATA	N/A	88	N/A	N/A	1	N/A
Total		**26,309,296**	**100.0**		**1,575**	**100.0**

[1] Quantity managed by storage only is excluded.

Note: Columns may not sum due to rounding.
Percentages do not include CBI data.

Exclusion of wastewater from the 1999 National Biennial Report will make cursory comparisons of the 1999 National Biennial Report to National Biennial Reports prior to 1997 misleading. Refer to Executive Summary (ES-2) for a complete explanation.

In 1999, *land disposal* accounted for 69% of the national non-wastewater management total. Land disposal methods include:

Deepwell/Underground Injection	16.0 million tons
Landfill	1.4 million tons
Surface Impoundment	705 thousand tons
Land Treatment/Application/Farming	30 thousand tons

Thermal treatment accounted for 11% of the national non-wastewater management total. Thermal treatment units include:

Energy Recovery (for Reuse as Fuel)	1.5 million tons
Incineration	1.5 million tons

Recovery operations accounted for 8% of the national non-wastewater management total. Recovery operations include:

Fuel Blending	1.1 million tons
Metals Recovery (for Reuse)	720 thousand tons
Solvents Recovery	368 thousand tons
Other Recovery	152 thousand tons

The remaining non-wastewater management quantities (11%) were managed in *other treatment and disposal units*, including:

Other Disposal (Specified in Comments)	1.4 million tons
Stabilization	1.3 million tons
Sludge Treatment	48 thousand tons

Exclusion of wastewater from the 1999 National Biennial Report will make cursory comparisons of the 1999 National Biennial Report to National Biennial Reports prior to 1997 misleading. Refer to Executive Summary (ES-2) for a complete explanation.

RCRA HAZARDOUS WASTE SHIPMENTS AND RECEIPTS

RCRA hazardous waste shipment information is obtained from data reported by both RCRA LQGs and RCRA TSDs. To help provide a more accurate picture of hazardous waste shipments in the United States, EPA requests specific shipment information. For each waste shipped, LQGs and TSDs are required to provide a waste description, the applicable Federal Hazardous Waste Codes, the quantity of waste shipped, and the EPA Identification Number of the receiving facility. All RCRA non-wastewater shipments reported by RCRA LQGs and TSDs are included in the waste shipment quantities in this Report, even if the waste was shipped to a transfer facility. In some instances, waste is transferred within a physical location that has more than one EPA Identification Number. These waste transfers are treated as shipments.

RCRA hazardous waste receipt information is obtained from data reported by RCRA TSDs. To help provide a more accurate picture of hazardous waste receipts in the United States, EPA requests certain receipt information from TSDs. For each waste received, TSDs are required to provide a waste description, the applicable Federal Hazardous Waste Codes, the quantity of waste received, and the EPA Identification Number of the facility from which the waste was received. For each received waste which is subsequently managed, TSDs are required to provide the System Type Code which represents the management method used to manage the waste. All RCRA non-wastewater receipts reported by RCRA TSDs are included in the waste receipt quantities in this Report, even if the waste was received from a transfer facilitiy.

RCRA hazardous waste export quantities include wastes generated in one State and shipped to a receiver in a different State. Exports are calculated from information provided by waste shippers. RCRA hazardous waste imports include all wastes received by a State which differs from the State of origin. RCRA hazardous waste imports are calculated from information provided by RCRA TSDs.

In 1999, 17,914 shippers reported shipping 8.1 million tons of RCRA hazardous waste. When comparing the 1997 National Biennial Report with the 1999 Report, the number of shippers decreased by 115, and the quantity of waste shipped increased by 817 thousand tons or 11%. Beginning with the 1997 BR cycle and continuing with the 1999 BR cycle, the shipment of wastewater is excluded from the national reporting logic. For a more detailed description of the wastewater exclusion, please refer to the section of the *Executive Summary* entitled “Wastewater Exclusion Logic Used for National Reporting.” The wastewater exclusion will make cursory comparisons between the 1999 National Reports and National Reports prior to 1997 misleading.

Exclusion of wastewater from the 1999 National Biennial Report will make cursory comparisons of the 1999 National Biennial Report to National Biennial Reports prior to 1997 misleading. Refer to Executive Summary (ES-2) for a complete explanation.

Of the 8.1 million tons of RCRA hazardous waste shipped in 1999, 5.7 million tons of waste were **exported** from the State in which they were generated to other States. When comparing the 1997 National Biennial Report with the 1999 Report, the quantity of waste exported increased by 1.3 million tons or 30%. Beginning with the 1997 BR cycle and continuing with the 1999 BR cycle, the export of wastewater is excluded from the national reporting logic. For a more detailed description of the wastewater exclusion, please refer to the section of the *Executive Summary* entitled "Wastewater Exclusion Logic Used for National Reporting." The wastewater exclusion will make cursory comparisons between the 1999 National Biennial Report and National Reports prior to 1997 misleading.

In 1999, 499 TSDs reported receiving 6.6 million tons of RCRA hazardous waste. When comparing the 1997 National Biennial Report with the 1999 Report, the number of TSDs receiving waste decreased by 44, and the quantity of waste received decreased by 1.4 million tons or 18%. Beginning with the 1997 BR cycle and continuing with the 1999 BR cycle, the receipt of wastewater is excluded from the national reporting logic. For a more detailed description of the wastewater exclusion, please refer to the section of the *Executive Summary* entitled "Wastewater Exclusion Logic Used for National Reporting." The wastewater exclusion will make cursory comparisons between the 1999 National Biennial Report and National Reports prior to 1997 misleading.

Of the 6.6 million tons of RCRA hazardous waste received in 1999, 3.7 million tons of waste were **imported** from other States. When comparing the 1997 National Biennial Report with the 1999 Report, the quantity of waste imported decreased by 242 thousand tons or 6%. Beginning with the 1997 BR cycle and continuing with the 1999 BR cycle, the import of wastewater is excluded from the national reporting logic. For a more detailed description of the wastewater exclusion, please refer to the section of the *Executive Summary* entitled "Wastewater Exclusion Logic Used for National Reporting." The wastewater exclusion will make cursory comparisons between the 1999 National Report and National Reports prior to 1997 misleading.

WHERE TO OBTAIN ADDITIONAL INFORMATION

All volumes of *The National Biennial RCRA Hazardous Waste Report (Based on 1999 Data)* and the 1999 Biennial Report data files can be accessed via the Internet at http://www.epa.gov/epaoswer/hazwaste/data/#brs or purchased from the National Technical Information Service (NTIS) at (703) 487-4650.

Exclusion of wastewater from the 1999 National Biennial Report will make cursory comparisons of the 1999 National Biennial Report to National Biennial Reports prior to 1997 misleading. Refer to Executive Summary (ES-2) for a complete explanation.

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THE NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT (BASED ON 1999 DATA)

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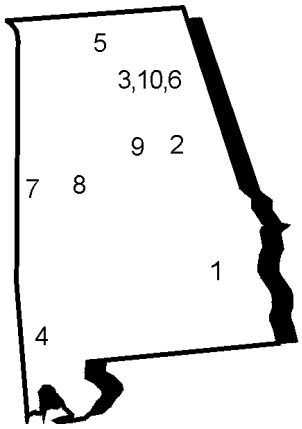
ALABAMA



1999 WASTE GENERATION

274	**Total Number of RCRA Large Quantity Generators (LQGs)**

491,178 Tons	**Total Quantity of RCRA Hazardous Waste Generated**

Table 1

Ten Largest RCRA Hazardous Waste Generators and Quantity Generated (tons), 1999

	Site Name	*City*	*Tons of Waste Generated*	*EPA ID*
1	SANDERS LEAD CO INC	TROY	177,388	ALD046481032
2	ANNISTON ARMY DEPOT	ANNISTON	74,287	AL3210020027
3	M & M CHEMICAL AND EQUIPMENT COMPANY	ATTALLA	45,824	ALD070513767
4	CIBA SPECIALTY CHEMICALS	MCINTOSH	30,435	ALD001221902
5	TRICO STEEL CO	DECATUR	25,002	ALR000006817
6	GULF STATES STEEL INC	GADSDEN	16,877	ALD004014973
7	CHEMICAL WASTE MANAGEMENT	EMELLE	16,165	ALD000622464
8	TUSCALOOSA STEEL CORP	TUSCALOOSA	12,394	ALD982088437
9	BIRMINGHAM STEEL	BIRMINGHAM	10,700	ALD000622852
10	FISHER INDUSTRIAL SERVICE, INC.	GLENCOE	10,417	ALD981020894
	TOTAL		**419,488**	

Top Ten Wastes Generated*: D001, D008, F003, D007, F005, D002, D006, D018, D035, D009

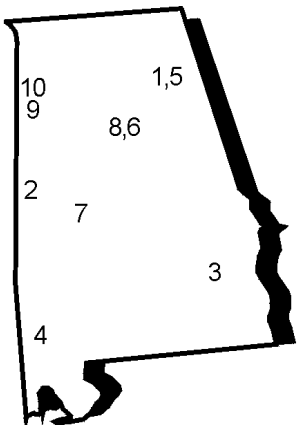
* Based on the Federal hazardous waste codes most frequently reported, not the quantity generated. See Appendix D of the National Analysis for a description of these waste codes.

Table 2

Quantity of Generated Waste (tons) that Was Only a Characteristic Waste, Only a Listed Waste or Both Characteristic and Listed Waste, 1999

Only Characteristic		Only Listed		Both Characteristic & Listed	
Ignitable	9,712	F Waste	5,295		
Corrosive	1,427	K Waste	63,943		
Reactive	28	P Waste	288		
Toxic (D004-17)	267,219	U Waste	221		
Toxic (D018-43)	277				
Characteristic Mixed	10,080	Listed Mixed	31,396		
TOTAL	**288,743**	**TOTAL**	**101,144**	**TOTAL Char. & Listed**	**101,292**

Exclusion of wastewater from the 1999 National Biennial Report will make cursory comparisons of the 1999 National Biennial Report to National Biennial Reports prior to 1997 misleading. Refer to Executive Summary (ES-2) for a complete explanation.



ALABAMA

1999 WASTE MANAGEMENT

47	**Total Number of RCRA TSD Facilities**

211,762 Tons	**Total Quantity of RCRA Hazardous Waste Managed**

Table 3

Ten Largest RCRA Hazardous Waste Managers and Quantity Managed (tons), 1999

	Site Name	*City*	*Tons of Waste Managed**	*EPA ID*
1	M & M CHEMICAL AND EQUIPMENT COMPANY	ATTALLA	87,021	ALD070513767
2	CHEMICAL WASTE MANAGEMENT	EMELLE	59,793	ALD000622464
3	SANDERS LEAD CO INC	TROY	32,037	ALD046481032
4	CIBA SPECIALTY CHEMICALS	MCINTOSH	21,870	ALD001221902
5	FISHER INDUSTRIAL SERVICE, INC.	GLENCOE	7,552	ALD981020894
6	AMERICAN CAST IRON PIPE	BIRMINGHAM	2,000	ALD003397569
7	SYSTECH ENVIRONMENTAL CORPORATION	DEMOPOLIS	790	ALD981019045
8	ALLIED SIGNAL INC FAIRFIELD TAR PLANT	BIRMINGHAM	518	ALD031499833
9	TERRA FIRST-ALABAMA STORAGE	VERNON	98	ALD983177015
10	HAMILTON BATHWARE	HAMILTON	52	ALD981919368
	TOTAL		**211,730**	

* Facilities reporting storage only and their quantity managed are excluded.

Top Ten Wastes Managed*: D001, F003, F005, D035, D008, D007, D006, D002, F002, D018

* Based on the Federal hazardous waste codes most frequently reported, not the quantity managed. See Appendix D of the National Analysis for a description of these waste codes.

Top Three Management Methods

- The top three management methods used in Alabama were: fuel blending (94,546 tons), stabilization (53,522 tons), and landfill (25,539 tons).

Alabama Imports/Exports (As reported by Alabama).

- The State that shipped the largest quantity of waste to Alabama was Georgia (33,271 tons).
- The State to which Alabama shipped the largest quantity of waste was Tennessee (33,800 tons).

NOTE: Columns may not sum due to rounding.

Exclusion of wastewater from the 1999 National Biennial Report will make cursory comparisons of the 1999 National Biennial Report to National Biennial Reports prior to 1997 misleading. Refer to Executive Summary (ES-2) for a complete explanation.

ALASKA

1999 WASTE GENERATION

42	**Total Number of RCRA Large Quantity Generators (LQGs)**
1,335 Tons	**Total Quantity of RCRA Hazardous Waste Generated**

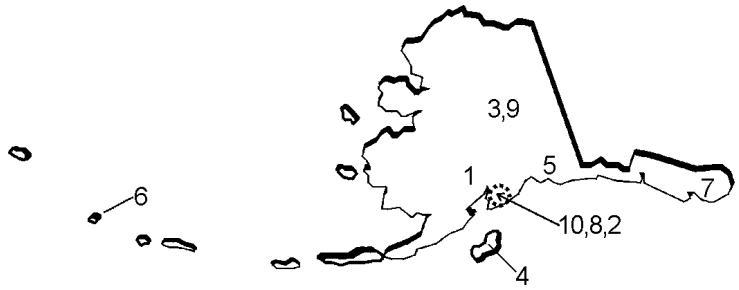


Table 1

Ten Largest RCRA Hazardous Waste Generators and Quantity Generated (tons), 1999

	Site Name	*City*	*Tons of Waste Generated*	*EPA ID*
1	USARMY FORT RICHARDSON	FT RICHARDSON	294	AK1210022157
2	TESORO ALASKA PETROLEUM CO KENAI REF	KENAI	218	AKD048679682
3	USARMY FORT WAINWRIGHT	FT WAINWRIGHT	173	AK6210022426
4	USCG INTEGRATED SUPPORT COMMAND KODIAK	KODIAK	140	AK9690330742
5	TAPS VALDEZ MARINE TERMINAL	VALDEZ	61	AKD052581758
6	GAMBELL CITY OF	GAMBELL	55	AKR000003228
7	ALASKA SHIP & DRY DOCK	KETCHIKAN	53	AKD981769821
8	USAF ELMENDORF AFB	ELMENDORF AFB	51	AK8570028649
9	USAF EIELSON AFB	EIELSON AFB	45	AK1570028646
10	TESORO KENAI PIPE LINE COMPANY	KENAI	33	AKD035419795
	TOTAL		**1,124**	

Top Ten Wastes Generated*: D001, D008, D018, D006, D007, D035, F005, D039, D009, F001

* Based on the Federal hazardous waste codes most frequently reported, not the quantity generated.
See Appendix D of the National Analysis for a description of these waste codes.

Table 2

Quantity of Generated Waste (tons) that Was Only a Characteristic Waste, Only a Listed Waste or Both Characteristic and Listed Waste, 1999

Only Characteristic		Only Listed		Both Characteristic & Listed	
Ignitable	49	F Waste	100		
Corrosive	12	K Waste	76		
Reactive	15	P Waste	0		
Toxic (D004-17)	330	U Waste	179		
Toxic (D018-43)	112				
Characteristic Mixed	270	Listed Mixed	0		
TOTAL	**787**	**TOTAL**	**355**	**TOTAL Char. & Listed**	**190**

Exclusion of wastewater from the 1999 National Biennial Report will make cursory comparisons of the 1999 National Biennial Report to National Biennial Reports prior to 1997 misleading. Refer to Executive Summary (ES-2) for a complete explanation.

ALASKA

1999 WASTE MANAGEMENT

6	Total Number of RCRA TSD Facilities
4 Tons	Total Quantity of RCRA Hazardous Waste Managed

Table 3

Largest RCRA Hazardous Waste Managers and Quantity Managed (tons), 1999

	Site Name	*City*	*Tons of Waste Managed**	*EPA ID*
1	USCG ISC KETCHIKAN	KETCHIKAN	4	AK8690360492
	TOTAL		**4**	

* Facilities reporting storage only and their quantity managed are excluded.

Top Wastes Managed*: D008, D001, D005, D002, D003, D004, D006, D007, D018

* Based on the Federal hazardous waste codes most frequently reported, not the quantity managed. See Appendix D of the National Analysis for a description of these waste codes.

Top Three Management Methods

- The top three management methods used in Alaska were: metals recovery (4 tons), landfill (1 tons), and stabilization (0 tons).

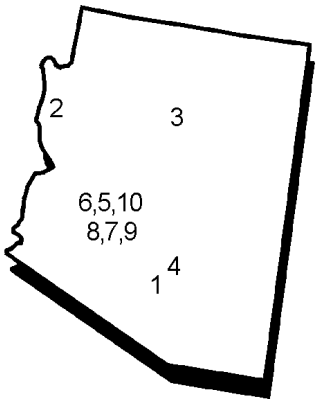
Alaska Imports/Exports (As reported by Alaska).

- Alaska did not receive RCRA hazardous wastes from any other State.
- The State to which Alaska shipped the largest quantity of waste was Washington (449 tons).

NOTE: Columns may not sum due to rounding.

Exclusion of wastewater from the 1999 National Biennial Report will make cursory comparisons of the 1999 National Biennial Report to National Biennial Reports prior to 1997 misleading. Refer to Executive Summary (ES-2) for a complete explanation.

ARIZONA



1999 WASTE GENERATION

193	**Total Number of RCRA Large Quantity Generators (LQGs)**

39,016 Tons	**Total Quantity of RCRA Hazardous Waste Generated**

Table 1

Ten Largest RCRA Hazardous Waste Generators and Quantity Generated (tons), 1999

	Site Name	*City*	*Tons of Waste Generated*	*EPA ID*
1	RAYTHEON COMPANY	TUCSON	10,846	AZD009005422
2	NORTH STAR STEEL AZ	KINGMAN	9,226	AZR000000604
3	TRANSWESTERN PIPELINE CO	REMOTE-NEAR FLAGSTAF	4,822	AZT050010768
4	BHP COPPER -PINAL	SAN MANUEL	1,628	AZD001886597
5	GOULD ELECTRONICS INC	CHANDLER	628	AZD000625715
6	HADCO PHOENIX, INC.	PHX	609	AZD063274609
7	MOTOROLA, INC.	MESA	606	AZD043848050
8	MOTOROLA -CHANDLER	CHANDLER	568	AZD980816920
9	INTEL CORP/OCOTILLO CAMPUS	CHANDLER	519	AZR000001107
10	BHP COPPER -SUPERIOR	SUPERIOR	441	AZD001886654
	TOTAL		**29,894**	

Top Ten Wastes Generated*: D001, D008, D007, F003, D002, D006, F005, D035, D003, D009

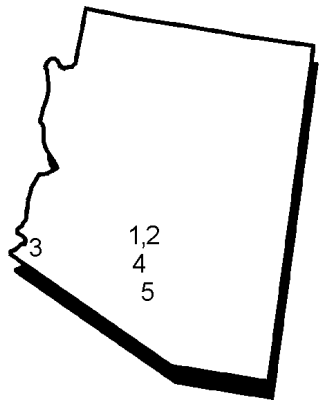
* Based on the Federal hazardous waste codes most frequently reported, not the quantity generated. See Appendix D of the National Analysis for a description of these waste codes.

Table 2

Quantity of Generated Waste (tons) that Was Only a Characteristic Waste, Only a Listed Waste or Both Characteristic and Listed Waste, 1999

Only Characteristic		Only Listed		Both Characteristic & Listed	
Ignitable	782	F Waste	12,564		
Corrosive	328	K Waste	9,225		
Reactive	155	P Waste	122		
Toxic (D004-17)	3,997	U Waste	24		
Toxic (D018-43)	28				
Characteristic Mixed	6,281	Listed Mixed	67		
TOTAL	**11,571**	**TOTAL**	**22,001**	**TOTAL Char. & Listed**	**5,424**

Exclusion of wastewater from the 1999 National Biennial Report will make cursory comparisons of the 1999 National Biennial Report to National Biennial Reports prior to 1997 misleading. Refer to Executive Summary (ES-2) for a complete explanation.



ARIZONA

1999 WASTE MANAGEMENT

16	**Total Number of RCRA TSD Facilities**
6,193 Tons	**Total Quantity of RCRA Hazardous Waste Managed**

Table 3

Largest RCRA Hazardous Waste Managers and Quantity Managed (tons), 1999

	Site Name	*City*	*Tons of Waste Managed**	*EPA ID*
1	ROMIC ENVIRONMENTAL TECHNOLOGIES	CHANDLER	3,620	AZD009015389
2	SAFETY KLEEN S.W	PHX	2,193	AZD049318009
3	U.S. ARMY YUMA PROV GRND	YUMA	262	AZ5213820991
4	HERITAGE ENVIRONMENTAL SVC, LLC	COOLIDGE	116	AZD081705402
5	UNIVERSITY OF AZ	TUCSON	2	AZD000819615
	TOTAL		**6,193**	

* Facilities reporting storage only and their quantity managed are excluded.

Top Ten Wastes Managed*: D001, F003, F005, D008, D007, D035, D002, F002, D006, D005

* Based on the Federal hazardous waste codes most frequently reported, not the quantity managed. See Appendix D of the National Analysis for a description of these waste codes.

Top Three Management Methods

- The top three management methods used in Arizona were: energy recovery (3,438 tons), solvents recovery (1,289 tons), and incineration (804 tons).

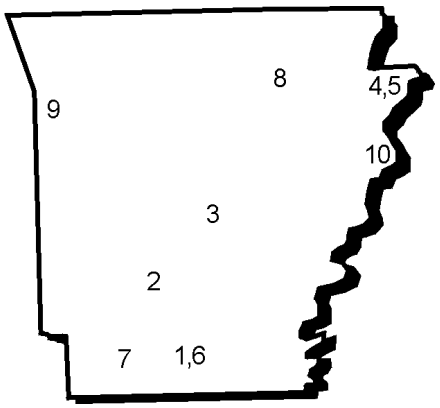
Arizona Imports/Exports (As reported by Arizona).

- The State that shipped the largest quantity of waste to Arizona was California (1,590 tons).
- The State to which Arizona shipped the largest quantity of waste was Utah (14,275 tons).

NOTE: Columns may not sum due to rounding.

Exclusion of wastewater from the 1999 National Biennial Report will make cursory comparisons of the 1999 National Biennial Report to National Biennial Reports prior to 1997 misleading. Refer to Executive Summary (ES-2) for a complete explanation.

ARKANSAS



1999 WASTE GENERATION

241	**Total Number of RCRA Large Quantity Generators (LQGs)**

970,995 Tons	**Total Quantity of RCRA Hazardous Waste Generated**

Table 1

Ten Largest RCRA Hazardous Waste Generators and Quantity Generated (tons), 1999

	Site Name	*City*	*Tons of Waste Generated*	*EPA ID*
1	GREAT LAKES CHEMICAL CORP	EL DORADO	501,205	ARD043195429
2	REYNOLDS METALS COMPANY GUM SPRINGS PLA	ARKADELPHIA	176,627	ARD006354161
3	RINECO	BENTON	85,157	ARD981057870
4	NUCOR-YAMATO STEEL COMPANY	BLYTHEVILLE	52,836	ARD981908890
5	NUCOR STEEL-ARKANSAS	BLYTHEVILLE	47,745	ARD983278243
6	ENSCO INC	EL DORADO	27,212	ARD069748192
7	ALBEMARLE CORPORATION SOUTH PLANT	MAGNOLIA	21,264	ARD052528809
8	EASTMAN CHEMICAL CO ARKANSAS EASTMAN	BATESVILLE	18,372	ARD089234884
9	QUANEX MACSTEEL DIVISION	FORT SMITH	6,806	ARD053730701
10	CIBA SPECIALTY CHEMICALS	WEST MEMPHIS	4,558	ARD093792067
	TOTAL		**941,783**	

Top Ten Wastes Generated*: D001, D002, D006, D004, D005, D007, D003, D008, D009, F003

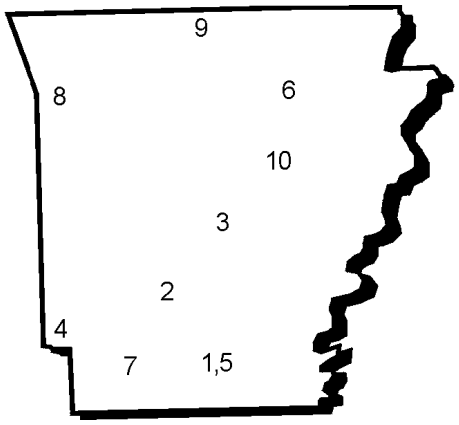
* Based on the Federal hazardous waste codes most frequently reported, not the quantity generated. See Appendix D of the National Analysis for a description of these waste codes.

Table 2

Quantity of Generated Waste (tons) that Was Only a Characteristic Waste, Only a Listed Waste or Both Characteristic and Listed Waste, 1999

Only Characteristic		Only Listed		Both Characteristic & Listed	
Ignitable	7,062	F Waste	2,938		
Corrosive	1,627	K Waste	288,151		
Reactive	17	P Waste	5		
Toxic (D004-17)	33,234	U Waste	76		
Toxic (D018-43)	2,982				
Characteristic Mixed	105,377	Listed Mixed	501,148		
TOTAL	**150,300**	**TOTAL**	**792,316**	**TOTAL Char. & Listed**	**28,379**

Exclusion of wastewater from the 1999 National Biennial Report will make cursory comparisons of the 1999 National Biennial Report to National Biennial Reports prior to 1997 misleading. Refer to Executive Summary (ES-2) for a complete explanation.



ARKANSAS

1999 WASTE MANAGEMENT

35	**Total Number of RCRA TSD Facilities**
977,784 Tons	**Total Quantity of RCRA Hazardous Waste Managed**

Table 3

Ten Largest RCRA Hazardous Waste Managers and Quantity Managed (tons), 1999

	Site Name	*City*	*Tons of Waste Managed**	*EPA ID*
1	GREAT LAKES CHEMICAL CORP	EL DORADO	500,000	ARD043195429
2	REYNOLDS METALS COMPANY GUM SPRINGS PLA	ARKADELPHIA	240,501	ARD006354161
3	RINECO	BENTON	80,678	ARD981057870
4	ASH GROVE CEMENT COMPANY	FOREMAN	73,221	ARD981512270
5	ENSCO INC	EL DORADO	43,704	ARD069748192
6	EASTMAN CHEMICAL CO ARKANSAS EASTMAN	BATESVILLE	22,826	ARD089234884
7	ALBEMARLE CORPORATION SOUTH PLANT	MAGNOLIA	16,703	ARD052528809
8	WHIRLPOOL CORP-FT SMITH	FORT SMITH	86	ARD042755389
9	RANGER BOATS/WOOD MFG CO INC	FLIPPIN	48	ARD046142956
10	VICKERS INC	SEARCY	13	ARD006355341
	TOTAL		**977,781**	

* Facilities reporting storage only and their quantity managed are excluded.

Top Ten Wastes Managed*: D001, D002, F003, F005, D007, D008, D003, F002, D035, D006

* Based on the Federal hazardous waste codes most frequently reported, not the quantity managed. See Appendix D of the National Analysis for a description of these waste codes.

Top Three Management Methods

- The top three management methods used in Arkansas were: deepwell / underground injection (516,703 tons), landfill (176,238 tons), and incineration (110,858 tons).

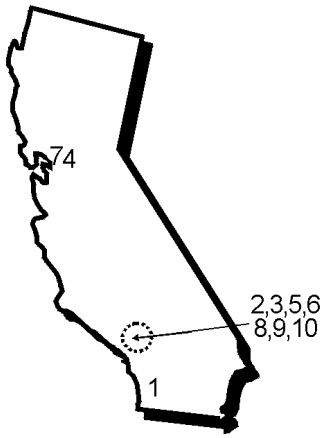
Arkansas Imports/Exports (As reported by Arkansas).

- The State that shipped the largest quantity of waste to Arkansas was Texas (40,427 tons).
- The State to which Arkansas shipped the largest quantity of waste was Illinois (47,257 tons).

NOTE: Columns may not sum due to rounding.

Exclusion of wastewater from the 1999 National Biennial Report will make cursory comparisons of the 1999 National Biennial Report to National Biennial Reports prior to 1997 misleading. Refer to Executive Summary (ES-2) for a complete explanation.

CALIFORNIA



1999 WASTE GENERATION

1,850	**Total Number of RCRA Large Quantity Generators (LQGs)**

427,302 Tons	**Total Quantity of RCRA Hazardous Waste Generated**

Table 1

Ten Largest RCRA Hazardous Waste Generators and Quantity Generated (tons), 1999

	Site Name	*City*	*Tons of Waste Generated*	*EPA ID*
1	PHIBRO-TECH, INC.	SANTA FE SPRINGS	71,999	CAD008488025
2	D/K ENVIRONMENTAL	VERNON	26,228	CAT080033681
3	LOS ANGELES COUNTY/USC MED, CENTER	LOS ANGELES	20,544	CAD095615027
4	QUEMETCO INC.	CITY OF INDUSTRY	19,343	CAD066233966
5	SAFETY-KLEEN (SAN JOSE), INC.	SAN JOSE	18,132	CAD059494310
6	ROMIC ENVIRONMENTAL TECHNOLOGIES CORP.	EAST PALO ALTO	16,086	CAD009452657
7	MARTINEZ REFINING COMPANY	MARTINEZ	13,865	CAD009164021
8	KINSBURSKY BROTHERS	ANAHEIM	12,332	CAD088504881
9	GNB TECHNOLOGIES INC.	VERNON	9,936	CAD097854541
10	TAMCO	RANCHO CUCAMONGA	9,836	CAD982361404
	TOTAL		**218,301**	

Top Ten Wastes Generated*: D001, D002, F003, D008, D007, LABP, F005, D006, F002, D018

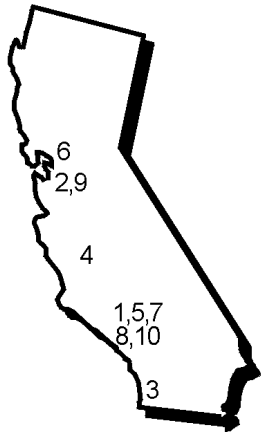
* Based on the Federal hazardous waste codes most frequently reported, not the quantity generated. See Appendix D of the National Analysis for a description of these waste codes.

Table 2

Quantity of Generated Waste (tons) that Was Only a Characteristic Waste, Only a Listed Waste or Both Characteristic and Listed Waste, 1999

Only Characteristic		Only Listed		Both Characteristic & Listed	
Ignitable	16,169	F Waste	24,514		
Corrosive	19,406	K Waste	27,505		
Reactive	3,747	P Waste	97		
Toxic (D004-17)	95,038	U Waste	2,526		
Toxic (D018-43)	11,365				
Characteristic Mixed	129,790	Listed Mixed	653		
TOTAL	**275,515**	**TOTAL**	**55,296**	**TOTAL Char. & Listed**	**96,395**

Exclusion of wastewater from the 1999 National Biennial Report will make cursory comparisons of the 1999 National Biennial Report to National Biennial Reports prior to 1997 misleading. Refer to Executive Summary (ES-2) for a complete explanation.



CALIFORNIA

1999 WASTE MANAGEMENT

144	**Total Number of RCRA TSD Facilities**

400,559 Tons	**Total Quantity of RCRA Hazardous Waste Managed**

Table 3

Ten Largest RCRA Hazardous Waste Managers and Quantity Managed (tons), 1999

	Site Name	*City*	*Tons of Waste Managed**	*EPA ID*
1	QUEMETCO INC.	CITY OF INDUSTRY	127,628	CAD066233966
2	CHEMICAL WASTE MANAGEMENT, INC.	KETTLEMAN CITY	86,086	CAT000646117
3	PHIBRO-TECH, INC.	SANTA FE SPRINGS	71,466	CAD008488025
4	SAFETY-KLEEN (BUTTONWILLOW) , INC.	BUTTONWILLOW	19,532	CAD980675276
5	ROMIC ENVIRONMENTAL TECHNOLOGIES CORP.	EAST PALO ALTO	19,455	CAD009452657
6	MARTINEZ REFINING COMPANY	MARTINEZ	12,731	CAD009164021
7	SAFETY-KLEEN (WESTMORLAND), INC.	WESTMORLAND	11,654	CAD000633164
8	PACIFIC RESOURCE RECOVERY	LOS ANGELES	11,235	CAD008252405
9	ONYX ENVIRONMENTAL SERVICES LLC	AZUSA	8,025	CAD008302903
10	GNB TECHNOLOGIES INC.	VERNON	4,913	CAD097854541
	TOTAL		**372,725**	

* Facilities reporting storage only and their quantity managed are excluded.

Top Ten Wastes Managed*: D001, F003, F005, D008, F002, D007, D005, D035, D002, D018

* Based on the Federal hazardous waste codes most frequently reported, not the quantity managed. See Appendix D of the National Analysis for a description of these waste codes.

Top Three Management Methods

- The top three management methods used in California were: metals recovery (209,000 tons), stabilization (105,341 tons), and fuel blending (27,109 tons).

California Imports/Exports (As reported by California).

- The State that shipped the largest quantity of waste to California was Foreign Country (111,590 tons).
- The State to which California shipped the largest quantity of waste was Kansas (39,285 tons).

NOTE: Columns may not sum due to rounding.

Exclusion of wastewater from the 1999 National Biennial Report will make cursory comparisons of the 1999 National Biennial Report to National Biennial Reports prior to 1997 misleading. Refer to Executive Summary (ES-2) for a complete explanation.

COLORADO

1999 WASTE GENERATION

163	**Total Number of RCRA Large Quantity Generators (LQGs)**

49,190 Tons	**Total Quantity of RCRA Hazardous Waste Generated**

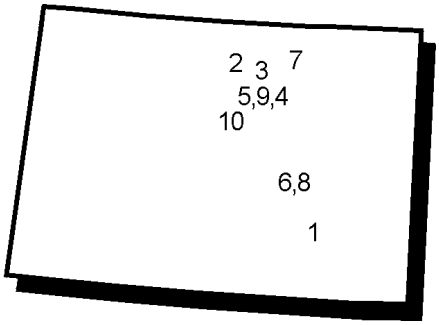


Table 1

Ten Largest RCRA Hazardous Waste Generators and Quantity Generated (tons), 1999

	Site Name	*City*	*Tons of Waste Generated*	*EPA ID*
1	ROCKY MOUNTAIN STEEL MILLS	PUEBLO	15,133	COD007057961
2	ROCHE COLORADO CORPORATION	BOULDER	7,499	COD076470525
3	RJR CIRCUITS, INC.L	DENVER	7,148	COD002989101
4	LOCKHEED MARTIN ASTRONAUTICS	LITTLETON	6,993	COD001704790
5	KOPPERS (BEAZER EAST INC)	DENVER	2,926	COD007077175
6	DDI (DYNAMIC DETAILS, INC.)	COLORADO SPRINGS	605	COD097147987
7	BOULDER SCIENTIFIC COMPANY	MEAD	527	COD000694869
8	ATMEL CORPORATION	COLORADO SPRINGS	383	COD081474710
9	CHEMICAL & METAL INDUSTRIES, INC.	DENVER	361	COD078362837
10	ROCKY FLATS ENV TECH SITE - US DOE	GOLDEN	356	CO7890010526
	TOTAL		**41,933**	

Top Ten Wastes Generated*: D001, D002, F003, D008, D007, F005, F002, D009, D003, D006

* Based on the Federal hazardous waste codes most frequently reported, not the quantity generated. See Appendix D of the National Analysis for a description of these waste codes.

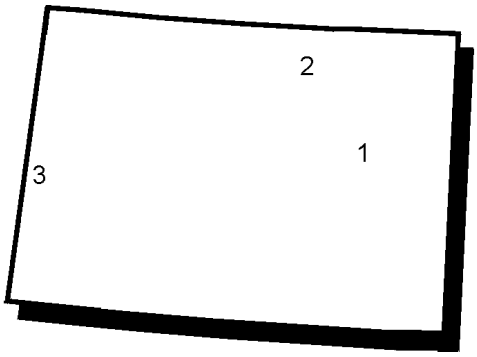
Table 2

Quantity of Generated Waste (tons) that Was Only a Characteristic Waste, Only a Listed Waste or Both Characteristic and Listed Waste, 1999

Only Characteristic		Only Listed		Both Characteristic & Listed	
Ignitable	273	F Waste	6,682		
Corrosive	157	K Waste	14,338		
Reactive	322	P Waste	0		
Toxic (D004-17)	2,225	U Waste	133		
Toxic (D018-43)	212				
Characteristic Mixed	9,728	Listed Mixed	3		
TOTAL	**12,916**	**TOTAL**	**21,155**	**TOTAL Char. & Listed**	**15,103**

Exclusion of wastewater from the 1999 National Biennial Report will make cursory comparisons of the 1999 National Biennial Report to National Biennial Reports prior to 1997 misleading. Refer to Executive Summary (ES-2) for a complete explanation.

COLORADO



1999 WASTE MANAGEMENT

18	**Total Number of RCRA TSD Facilities**
5,282 Tons	**Total Quantity of RCRA Hazardous Waste Managed**

Table 3

Largest RCRA Hazardous Waste Managers and Quantity Managed (tons), 1999

	Site Name	*City*	*Tons of Waste Managed**	*EPA ID*
1	SAFETY-KLEEN (DEER TRAIL) INC	DEER TRAIL	5,282	COD991300484
2	COLORADO STATE UNNIVERSITY (STORAGE)	FT. COLLINS	0	COD069712792
3	U.S. DEPT. OF ENERGY, GRAND JCT. OFFICE	GRAND JUNCTION	0	CO6890090065
	TOTAL		**5,282**	

* Facilities reporting storage only and their quantity managed are excluded.

Top Ten Wastes Managed*: D008, D007, D006, D004, D009, D002, D005, D010, D011, D001

* Based on the Federal hazardous waste codes most frequently reported, not the quantity managed. See Appendix D of the National Analysis for a description of these waste codes.

Top Three Management Methods

- The top three management methods used in Colorado were: stabilization (5,035 tons), landfill (247 tons), and solvents recovery (0 tons).

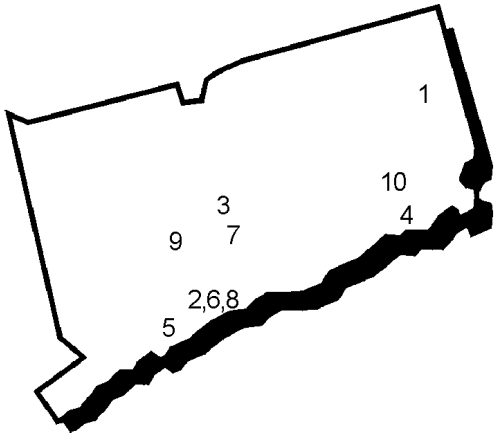
Colorado Imports/Exports (As reported by Colorado).

- The State that shipped the largest quantity of waste to Colorado was Idaho (551 tons).
- The State to which Colorado shipped the largest quantity of waste was Foreign Country (12,085 tons).

NOTE: Columns may not sum due to rounding.

Exclusion of wastewater from the 1999 National Biennial Report will make cursory comparisons of the 1999 National Biennial Report to National Biennial Reports prior to 1997 misleading. Refer to Executive Summary (ES-2) for a complete explanation.

CONNECTICUT



1999 WASTE GENERATION

391	**Total Number of RCRA Large Quantity Generators (LQGs)**

92,201 Tons	**Total Quantity of RCRA Hazardous Waste Generated**

Table 1

Ten Largest RCRA Hazardous Waste Generators and Quantity Generated (tons), 1999

	Site Name	*City*	*Tons of Waste Generated*	*EPA ID*
1	EXETER ENERGY LP	STERLING	38,222	CTR000004457
2	FRAMETONE CONNECTORS, U.S.A.	NORWALK	9,277	CTD001184167
3	CORBIN RUSSWIN, INC	BERLIN	7,729	CTD052541695
4	PFIZER INC	GROTON	5,803	CTD001147495
5	BRIDGEPORT UNITED RECYCLING	BRIDGEPORT	2,305	CTD002593887
6	CIRCUIT-WISE, INC.	NORTH HAVEN	2,187	CTD001183763
7	CYTEC INDUSTRIES INC.	WALLINGFORD	1,547	CTD001173467
8	WYATT ENERGY INC	NEW HAVEN	1,529	CTD075407031
9	UNIROYAL CHEMICAL CO., INC.	NAUGATUCK	974	CTD001449826
10	DOW CHEMICAL CO ALLYN'S POINT PLANT	GALES FERRY	903	CTD001159730
	TOTAL		**70,475**	

Top Ten Wastes Generated*: D001, D002, F003, D008, D007, F005, F002, D006, D009, D035

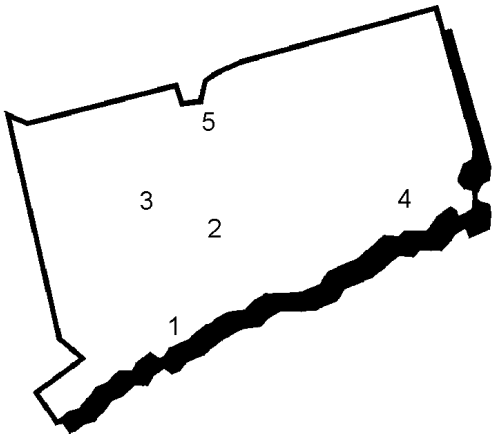
* Based on the Federal hazardous waste codes most frequently reported, not the quantity generated. See Appendix D of the National Analysis for a description of these waste codes.

Table 2

Quantity of Generated Waste (tons) that Was Only a Characteristic Waste, Only a Listed Waste or Both Characteristic and Listed Waste, 1999

Only Characteristic		Only Listed		Both Characteristic & Listed	
Ignitable	1,951	F Waste	11,438		
Corrosive	947	K Waste	20		
Reactive	47	P Waste	6		
Toxic (D004-17)	50,090	U Waste	231		
Toxic (D018-43)	819				
Characteristic Mixed	7,109	Listed Mixed	1		
TOTAL	**60,963**	**TOTAL**	**11,694**	**TOTAL Char. & Listed**	**19,506**

Exclusion of wastewater from the 1999 National Biennial Report will make cursory comparisons of the 1999 National Biennial Report to National Biennial Reports prior to 1997 misleading. Refer to Executive Summary (ES-2) for a complete explanation.



CONNECTICUT

1999 WASTE MANAGEMENT

20	**Total Number of RCRA TSD Facilities**
8,627 Tons	**Total Quantity of RCRA Hazardous Waste Managed**

Table 3

Largest RCRA Hazardous Waste Managers and Quantity Managed (tons), 1999

	Site Name	*City*	*Tons of Waste Managed**	*EPA ID*
1	BRIDGEPORT UNITED RECYCLING	BRIDGEPORT	3,667	CTD002593887
2	UNITED OIL RECOVERY, INC.	MERIDEN	3,068	CTD021816889
3	CLEAN HARBORS OF CONNECTICUT, INC.	BRISTOL	1,414	CTD000604488
4	DOW CHEMICAL CO ALLYN'S POINT PLANT	GALES FERRY	477	CTD001159730
5	HAMILTON SUNDSTRAND, A UTC COMPANY	WINDSOR LOCKS	0	CTD001145341
	TOTAL		**8,627**	

* Facilities reporting storage only and their quantity managed are excluded.

Top Ten Wastes Managed*: F002, D001, D008, D039, F003, F005, D007, D018, D006, D040

* Based on the Federal hazardous waste codes most frequently reported, not the quantity managed. See Appendix D of the National Analysis for a description of these waste codes.

Top Three Management Methods

- The top three management methods used in Connecticut were: fuel blending (6,735 tons), stabilization (1,414 tons), and energy recovery (477 tons).

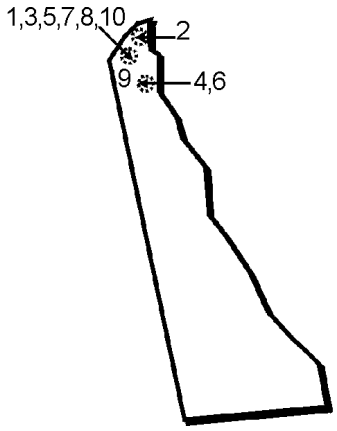
Connecticut Imports/Exports (As reported by Connecticut).

- The State that shipped the largest quantity of waste to Connecticut was Massachusetts (3,722 tons).
- The State to which Connecticut shipped the largest quantity of waste was New York (14,686 tons).

NOTE: Columns may not sum due to rounding.

Exclusion of wastewater from the 1999 National Biennial Report will make cursory comparisons of the 1999 National Biennial Report to National Biennial Reports prior to 1997 misleading. Refer to Executive Summary (ES-2) for a complete explanation.

DELAWARE



1999 WASTE GENERATION

76	Total Number of RCRA Large Quantity Generators (LQGs)

26,071 Tons	Total Quantity of RCRA Hazardous Waste Generated

Table 1

Ten Largest RCRA Hazardous Waste Generators and Quantity Generated (tons), 1999

	Site Name	*City*	*Tons of Waste Generated*	*EPA ID*
1	DIAMOND STATE SALVAGE SITE	WILMINGTON	13,171	DER000002642
2	CITISTEEL USA, INC.	CLAYMONT	4,480	DED002276764
3	CIBA SPECIALTY CHEMICALS	NEWPORT	1,647	DED980830400
4	OCCIDENTAL CHEMICAL CORP.	NEW CASTLE	1,488	DED003913266
5	DUPONT COMPANY EXPERIMENTAL STATION	WILMINGTON	995	DED003930807
6	METACHEM PRODUCTS, LLC	NEW CASTLE	765	DED041212473
7	NORAMCO OF DELAWARE, INC.	WILMINGTON	516	DED085693646
8	GM WILMINGTON ASSEMBLY PLANT	WILMINGTON	508	DED002369205
9	DAIMLER CHRYSLER CORP. NEWARK ASSMBLY P	NEWARK	314	DED002357408
10	NEW CASTLE COUNTY COURTHOUSE	WILMINGTON	212	DEP000001559
	TOTAL		**24,096**	

Top Ten Wastes Generated*: LABP, D001, F003, F002, F005, D002, D022, D003, F001, D018

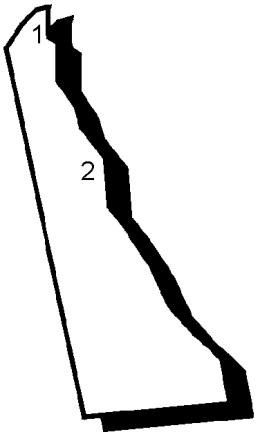
* Based on the Federal hazardous waste codes most frequently reported, not the quantity generated. See Appendix D of the National Analysis for a description of these waste codes.

Table 2

Quantity of Generated Waste (tons) that Was Only a Characteristic Waste, Only a Listed Waste or Both Characteristic and Listed Waste, 1999

Only Characteristic		Only Listed		Both Characteristic & Listed	
Ignitable	1,713	F Waste	1,321		
Corrosive	60	K Waste	1,637		
Reactive	2	P Waste	1		
Toxic (D004-17)	14,223	U Waste	105		
Toxic (D018-43)	57				
Characteristic Mixed	187	Listed Mixed	3		
TOTAL	**16,241**	**TOTAL**	**3,066**	**TOTAL Char. & Listed**	**6,669**

Exclusion of wastewater from the 1999 National Biennial Report will make cursory comparisons of the 1999 National Biennial Report to National Biennial Reports prior to 1997 misleading. Refer to Executive Summary (ES-2) for a complete explanation.



DELAWARE

1999 WASTE MANAGEMENT

5	**Total Number of RCRA TSD Facilities**
2,064 Tons	**Total Quantity of RCRA Hazardous Waste Managed**

Table 3

Largest RCRA Hazardous Waste Managers and Quantity Managed (tons), 1999

	Site Name	*City*	*Tons of Waste Managed**	*EPA ID*
1	DUPONT COMPANY EXPERIMENTAL STATION	WILMINGTON	2,064	DED003930807
2	DOVER AIR FORCE BASE	DOVER AFB	0	DE8570024010
	TOTAL		**2,064**	

* Facilities reporting storage only and their quantity managed are excluded.

Top Ten Wastes Managed*: LABP, D001, F003, F005, F002, D002, D022, D003, U002, U154

* Based on the Federal hazardous waste codes most frequently reported, not the quantity managed. See Appendix D of the National Analysis for a description of these waste codes.

Top Management Methods

- The top management methods used in Delaware were: incineration (2,064 tons) and solvents recovery (0 tons).

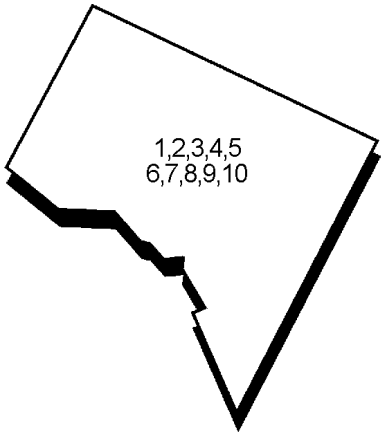
Delaware Imports/Exports (As reported by Delaware).

- The State that shipped the largest quantity of waste to Delaware was New Jersey (1,545 tons).
- The State to which Delaware shipped the largest quantity of waste was Pennsylvania (14,860 tons).

NOTE: Columns may not sum due to rounding.

Exclusion of wastewater from the 1999 National Biennial Report will make cursory comparisons of the 1999 National Biennial Report to National Biennial Reports prior to 1997 misleading. Refer to Executive Summary (ES-2) for a complete explanation.

DISTRICT OF COLUMBIA



1999 WASTE GENERATION

30	**Total Number of RCRA Large Quantity Generators (LQGs)**

1,167 Tons	**Total Quantity of RCRA Hazardous Waste Generated**

Table 1

Ten Largest RCRA Hazardous Waste Generators and Quantity Generated (tons), 1999

	Site Name	*City*	*Tons of Waste Generated*	*EPA ID*
1	HQ NAVAL DISTRICT WASHINGTON	WASHINGTON	547	DC9170024310
2	U S BUREAU OF ENGRAVING AND PRINTING	WASHINGTON	164	DC2200907812
3	WASHINGTON POST NEWSPAPER THE	WASHINGTON	111	DCD003245768
4	ARCHITECT OF THE CAPITOL	WASHINGTON	75	DC4141707162
5	PEPCO BENNING ROAD GENERATING STATION	WASHINGTON	69	DCD000819516
6	U S DEPT OF AGRICULTURE-F	WASHINGTON	35	DC3122311001
7	BLUE PLAINS UPTOWN	WASHINGTON	29	DCD000797761
8	WALTER REED ARMY MEDICAL CENTER	WASHINGTON	29	DC4210021156
9	SMITHSONIAN INST - NATURAL HISTORY BLDG	WASHINGTON	17	DC7470090005
10	HQ NDW NAVAL STATION ANACOSTIA	WASHINGTON	16	DC4170000901
	TOTAL		**1,092**	

Top Ten Wastes Generated*: D001, D008, D002, F003, D009, D007, F005, D006, D003, D011

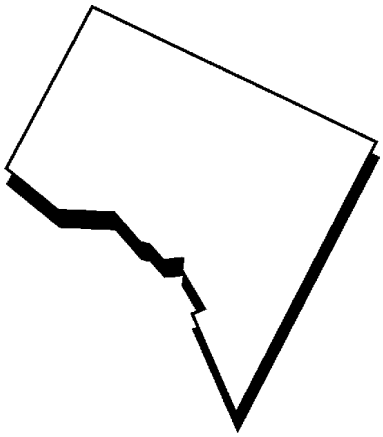
* Based on the Federal hazardous waste codes most frequently reported, not the quantity generated. See Appendix D of the National Analysis for a description of these waste codes.

Table 2

Quantity of Generated Waste (tons) that Was Only a Characteristic Waste, Only a Listed Waste or Both Characteristic and Listed Waste, 1999

Only Characteristic		Only Listed		Both Characteristic & Listed	
Ignitable	85	F Waste	3		
Corrosive	5	K Waste	0		
Reactive	0	P Waste	0		
Toxic (D004-17)	829	U Waste	0		
Toxic (D018-43)	3				
Characteristic Mixed	70	Listed Mixed	0		
TOTAL	**992**	**TOTAL**	**3**	**TOTAL Char. & Listed**	**164**

Exclusion of wastewater from the 1999 National Biennial Report will make cursory comparisons of the 1999 National Biennial Report to National Biennial Reports prior to 1997 misleading. Refer to Executive Summary (ES-2) for a complete explanation.



DISTRICT OF COLUMBIA

1999 WASTE MANAGEMENT

1	Total Number of RCRA TSD Facilities
0 Tons	Total Quantity of RCRA Hazardous Waste Managed

Top Management Method

- There were no facilities* in District of Columbia that reported managing (treating or disposing) RCRA hazardous waste.

  * Because quantity managed only by storage was excluded, facilities managing by storage only were not listed.

District of Columbia Imports/Exports (As reported by District of Columbia).

- District of Columbia did not receive RCRA hazardous wastes from any other State.
- The State to which District of Columbia shipped the largest quantity of waste was Michigan (535 tons).

NOTE: Columns may not sum due to rounding.

Exclusion of wastewater from the 1999 National Biennial Report will make cursory comparisons of the 1999 National Biennial Report to National Biennial Reports prior to 1997 misleading. Refer to Executive Summary (ES-2) for a complete explanation.

FLORIDA

1999 WASTE GENERATION

366	**Total Number of RCRA Large Quantity Generators (LQGs)**

272,387 Tons	**Total Quantity of RCRA Hazardous Waste Generated**

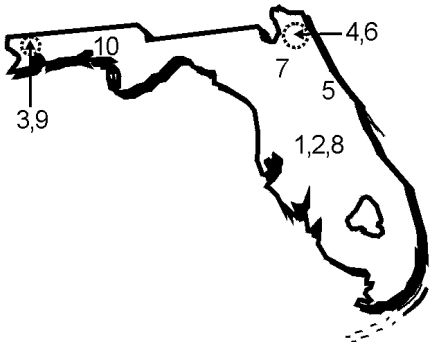


Table 1

Ten Largest RCRA Hazardous Waste Generators and Quantity Generated (tons), 1999

	Site Name	*City*	*Tons of Waste Generated*	*EPA ID*
1	KAISER ALUMINUM & CHEMICAL CORPORATION	MULBERRY	164,152	FLD004106811
2	GULF COAST RECYCLING, INC.	TAMPA	30,965	FLD004092839
3	SOLUTIA INC.	GONZALEZ	27,875	FLD071951966
4	AMERISTEEL;JACKSONVILLE MILL DIVISION	BALDWIN	8,972	FLD083812537
5	RAYONIER	BUNNELL	4,862	FLD004058046
6	NAVAL AIR STATION JACKSONVILLE	JACKSONVILLE	3,442	FL6170024412
7	ARCHIMICA (FLORIDA), INC.	GAINESVILLE	3,275	FLD050768548
8	SAFETY-KLEEN (BARTOW), INC.	BARTOW	2,849	FLD980729610
9	AIR PRODUCTS AND CHEMICALS, INC/ESCAMBIA	PACE	2,260	FLD008155673
10	ARIZONA CHEMICAL	PANAMA CITY	2,241	FLD004065926
	TOTAL		**250,893**	

Top Ten Wastes Generated*: D001, F003, D008, D007, F005, D002, D006, F002, D035, D018

* Based on the Federal hazardous waste codes most frequently reported, not the quantity generated.
See Appendix D of the National Analysis for a description of these waste codes.

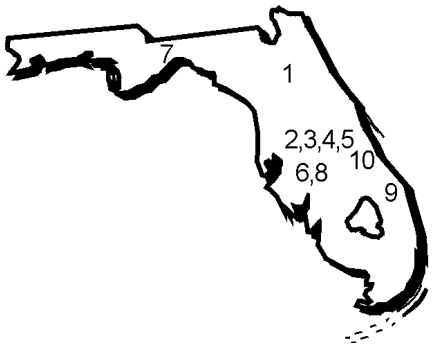
Table 2

Quantity of Generated Waste (tons) that Was Only a Characteristic Waste, Only a Listed Waste or Both Characteristic and Listed Waste, 1999

Only Characteristic		Only Listed		Both Characteristic & Listed	
Ignitable	5,706	F Waste	9,685		
Corrosive	28,759	K Waste	12,605		
Reactive	38	P Waste	52		
Toxic (D004-17)	32,320	U Waste	44		
Toxic (D018-43)	1,056				
Characteristic Mixed	169,487	Listed Mixed	45		
TOTAL	**237,367**	**TOTAL**	**22,431**	**TOTAL Char. & Listed**	**12,576**

Exclusion of wastewater from the 1999 National Biennial Report will make cursory comparisons of the 1999 National Biennial Report to National Biennial Reports prior to 1997 misleading. Refer to Executive Summary (ES-2) for a complete explanation.

FLORIDA



1999 WASTE MANAGEMENT

46	**Total Number of RCRA TSD Facilities**
2,822,198 Tons	**Total Quantity of RCRA Hazardous Waste Managed**

Table 3

Ten Largest RCRA Hazardous Waste Managers and Quantity Managed (tons), 1999

	Site Name	*City*	*Tons of Waste Managed**	*EPA ID*
1	FAIRBANKS DISPOSAL PIT	GAINESVILLE	2,625,569	FLD980799050
2	KAISER ALUMINUM & CHEMICAL CORPORATION	MULBERRY	164,152	FLD004106811
3	GULF COAST RECYCLING, INC.	TAMPA	26,065	FLD004092839
4	SAFETY-KLEEN (BARTOW), INC.	BARTOW	5,426	FLD980729610
5	MERCURY TECHNOLOGIES INTERNATIONAL, L.P.	WEST MELBOURNE	438	FLD984262782
6	CHEMICAL POLLUTION CONTROL	LAKELAND	290	FL0000001735
7	SUPERIOR SPECIAL SERVICES, INC.	TALLAHASSEE	211	FL0000207449
8	SUPERIOR SPECIAL SERVICES, INC.	PLANT CITY	36	FLR000036475
9	UTC, PRATT & WHITNEY	JUPITER	10	FLD001447952
10	KENNEDY SPACE CENTER	KENNEDY SPACE CENTE	1	FL6800014585
	TOTAL		**2,822,198**	

* Facilities reporting storage only and their quantity managed are excluded.

Top Ten Wastes Managed*: D001, D009, F003, F005, D035, F002, D018, D008, D007, D039

* Based on the Federal hazardous waste codes most frequently reported, not the quantity managed. See Appendix D of the National Analysis for a description of these waste codes.

Top Three Management Methods

- The top three management methods used in Florida were: deepwell / underground injection (2,789,730 tons), metals recovery (26,459 tons), and fuel blending (5,185 tons).

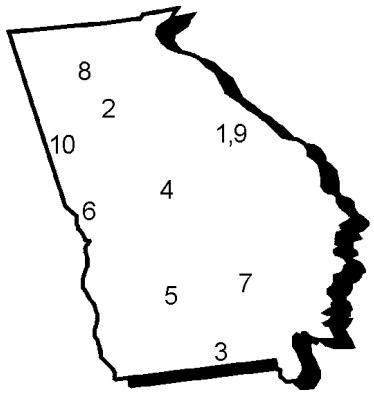
Florida Imports/Exports (As reported by Florida).

- The State that shipped the largest quantity of waste to Florida was Georgia (1,282 tons).
- The State to which Florida shipped the largest quantity of waste was South Carolina (20,511 tons).

NOTE: Columns may not sum due to rounding.

Exclusion of wastewater from the 1999 National Biennial Report will make cursory comparisons of the 1999 National Biennial Report to National Biennial Reports prior to 1997 misleading. Refer to Executive Summary (ES-2) for a complete explanation.

GEORGIA



1999 WASTE GENERATION

384	**Total Number of RCRA Large Quantity Generators (LQGs)**

209,206 Tons	**Total Quantity of RCRA Hazardous Waste Generated**

Table 1

Ten Largest RCRA Hazardous Waste Generators and Quantity Generated (tons), 1999

	Site Name	*City*	*Tons of Waste Generated*	*EPA ID*
1	MONSANTO CO	AUGUSTA	34,454	GAD039046800
2	ONYX ENVIRONMENTAL SERVICES LLC	MORROW	22,528	GAD096629282
3	CHEM CON-GEORGIA	VALDOSTA	20,877	GAD093380814
4	SOUTHERN WOOD PIEDMONT CO. - MACON	MACON	17,061	GAD003264074
5	MERCK & CO., INC / FLINT RIVER PLANT	ALBANY	15,301	GAD003324985
6	GNB TECHNOLOGIES, INC.	COLUMBUS	11,421	GAD070330576
7	INTERMETRO INDUSTRIES	DOUGLAS	8,368	GAD980842975
8	BIRMINGHAM SOUTHEAST LLC	CARTERSVILLE	5,749	GAD030059182
9	INTERNATIONAL FLAVORS AND FRAGRANCES	AUGUSTA	4,567	GAR000006940
10	SOUTH WIRE COPPER DIVISION	CARROLLTON	4,441	GAD000814541
	TOTAL		**144,767**	

Top Ten Wastes Generated*: D001, F003, F005, D007, D008, D035, D002, F002, D006, D018

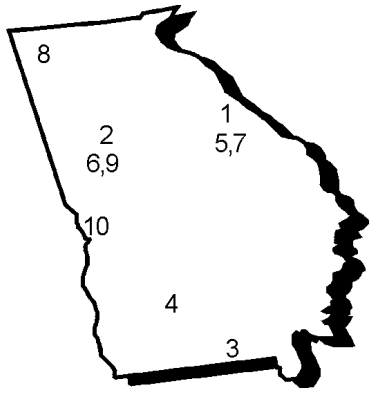
* Based on the Federal hazardous waste codes most frequently reported, not the quantity generated. See Appendix D of the National Analysis for a description of these waste codes.

Table 2

Quantity of Generated Waste (tons) that Was Only a Characteristic Waste, Only a Listed Waste or Both Characteristic and Listed Waste, 1999

Only Characteristic		Only Listed		Both Characteristic & Listed	
Ignitable	17,439	F Waste	26,109		
Corrosive	1,974	K Waste	6,112		
Reactive	11	P Waste	3,895		
Toxic (D004-17)	30,575	U Waste	1,453		
Toxic (D018-43)	1,982				
Characteristic Mixed	57,085	Listed Mixed	1,242		
TOTAL	**109,067**	**TOTAL**	**38,811**	**TOTAL Char. & Listed**	**61,321**

Exclusion of wastewater from the 1999 National Biennial Report will make cursory comparisons of the 1999 National Biennial Report to National Biennial Reports prior to 1997 misleading. Refer to Executive Summary (ES-2) for a complete explanation.



GEORGIA

1999 WASTE MANAGEMENT

37	**Total Number of RCRA TSD Facilities**

82,693 Tons	**Total Quantity of RCRA Hazardous Waste Managed**

Table 3

Ten Largest RCRA Hazardous Waste Managers and Quantity Managed (tons), 1999

	Site Name	*City*	*Tons of Waste Managed**	*EPA ID*
1	MONSANTO CO	AUGUSTA	27,352	GAD039046800
2	ONYX ENVIRONMENTAL SERVICES LLC	MORROW	21,703	GAD096629282
3	CHEM CON-GEORGIA	VALDOSTA	20,292	GAD093380814
4	MERCK & CO., INC / FLINT RIVER PLANT	ALBANY	4,220	GAD003324985
5	DSM CHEMICALS NORTH AMERICA, INC	AUGUSTA	3,200	GAD051011609
6	MCWHORTER TECHNOLOGIES, INC. FOREST PAR	FOREST PARK	2,005	GAD084823301
7	ALTERNATE ENERGY RESOURCES, INC.	AUGUSTA	1,955	GAD033582461
8	TRI STATE STEEL DRUM INC	GRAYSVILLE	1,087	GAD033842543
9	HICKSON CORP.	CONLEY	712	GAD000821934
10	GNB TECHNOLOGIES, INC.	COLUMBUS	151	GAD070330576
	TOTAL		**82,678**	

* Facilities reporting storage only and their quantity managed are excluded.

Top Ten Wastes Managed*: D001, F003, F005, D035, F002, D018, D008, D007, F001, D006

* Based on the Federal hazardous waste codes most frequently reported, not the quantity managed. See Appendix D of the National Analysis for a description of these waste codes.

Top Three Management Methods

- The top three management methods used in Georgia were: fuel blending (44,749 tons), energy recovery (30,552 tons), and solvents recovery (4,433 tons).

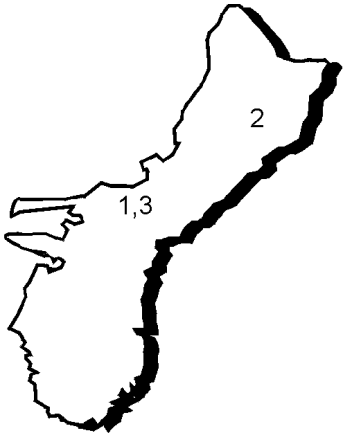
Georgia Imports/Exports (As reported by Georgia).

- The State that shipped the largest quantity of waste to Georgia was Florida (6,964 tons).
- The State to which Georgia shipped the largest quantity of waste was South Carolina (522,673 tons).

NOTE: Columns may not sum due to rounding.

Exclusion of wastewater from the 1999 National Biennial Report will make cursory comparisons of the 1999 National Biennial Report to National Biennial Reports prior to 1997 misleading. Refer to Executive Summary (ES-2) for a complete explanation.

GUAM



1999 WASTE GENERATION

3	**Total Number of RCRA Large Quantity Generators (LQGs)**

696 Tons	**Total Quantity of RCRA Hazardous Waste Generated**

Table 1

Largest RCRA Hazardous Waste Generators and Quantity Generated (tons), 1999

	Site Name	*City*	*Tons of Waste Generated*	*EPA ID*
1	USNAVY PUBLIC WORKS CENTER, GUAM	COMNAVMAR	680	GU5170022680
2	USAF ANDERSEN AIR FORCE BASE	YIGO	10	GU6571999519
3	USNAVY COMVAVMARIANAS GUAM	COMNAVMAR	6	GU7170027323
	TOTAL		**696**	

Top Ten Wastes Generated*: D001, D008, D007, D035, D005, D006, D018, D009, D002, D003

* Based on the Federal hazardous waste codes most frequently reported, not the quantity generated. See Appendix D of the National Analysis for a description of these waste codes.

Table 2

Quantity of Generated Waste (tons) that Was Only a Characteristic Waste, Only a Listed Waste or Both Characteristic and Listed Waste, 1999

Only Characteristic		Only Listed		Both Characteristic & Listed	
Ignitable	18	F Waste	173		
Corrosive	0	K Waste	0		
Reactive	0	P Waste	0		
Toxic (D004-17)	484	U Waste	2		
Toxic (D018-43)	3				
Characteristic Mixed	15	Listed Mixed	0		
TOTAL	**521**	**TOTAL**	**175**	**TOTAL Char. & Listed**	**0**

Exclusion of wastewater from the 1999 National Biennial Report will make cursory comparisons of the 1999 National Biennial Report to National Biennial Reports prior to 1997 misleading. Refer to Executive Summary (ES-2) for a complete explanation.

GUAM

1999 WASTE MANAGEMENT

2	Total Number of RCRA TSD Facilities
0 Tons	Total Quantity of RCRA Hazardous Waste Managed

Top Management Method

- There were no facilities* in Guam that reported managing (treating or disposing) RCRA hazardous waste.

  * Because quantity managed only by storage was excluded, facilities managing by storage only were not listed.

Guam Imports/Exports (As reported by Guam).

- Guam did not receive RCRA hazardous wastes from any other State.
- The State to which Guam shipped the largest quantity of waste was California (634 tons).

NOTE: Columns may not sum due to rounding.

Exclusion of wastewater from the 1999 National Biennial Report will make cursory comparisons of the 1999 National Biennial Report to National Biennial Reports prior to 1997 misleading. Refer to Executive Summary (ES-2) for a complete explanation.

HAWAII

1999 WASTE GENERATION

37	**Total Number of RCRA Large Quantity Generators (LQGs)**

1,456 Tons	**Total Quantity of RCRA Hazardous Waste Generated**

Table 1

Ten Largest RCRA Hazardous Waste Generators and Quantity Generated (tons), 1999

	Site Name	*City*	*Tons of Waste Generated*	*EPA ID*
1	KALAELOA COGENERATION PLANT	KAPOLEI	713	HID984466649
2	USNAVY PEARL HARBOR SHIPYARD	PEARL HARBOR	173	HI6170024339
3	CHEVRON PRODUCTS COMPANY-HAWAII REFINER	KAPOLEI	115	HIT160010005
4	USNAVY PWC - PEARL HARBOR NAVAL COMPLEX	PEARL HARBOR	105	HI1170024334
5	SERVCO PACIFIC INC	HONOLULU	59	HID981665789
6	USNAVY MAG. PEARL HARBOR WEST LOCH	EWA BEACH	55	HI9170090006
7	TESORO HAWAII CORP. - REFINERY	KAPOLEI	53	HID056786395
8	USAF HICKMAN AFB	HICKMAN AFB	40	HI8570028722
9	USMC BASE HAWAII	KANEOHE BAY	32	HI6170022762
10	USNAVY NAS BARBERS POINT	BARBERS POINT	19	HI1170024326
	TOTAL		**1,363**	

Top Ten Wastes Generated*: D001, D007, D008, D035, D002, F003, D006, D009, D018, F005

* Based on the Federal hazardous waste codes most frequently reported, not the quantity generated.
See Appendix D of the National Analysis for a description of these waste codes.

Table 2

Quantity of Generated Waste (tons) that Was Only a Characteristic Waste, Only a Listed Waste or Both Characteristic and Listed Waste, 1999

Only Characteristic		**Only Listed**		**Both Characteristic & Listed**	
Ignitable	62	F Waste	69		
Corrosive	5	K Waste	114		
Reactive	1	P Waste	1		
Toxic (D004-17)	980	U Waste	1		
Toxic (D018-43)	52				
Characteristic Mixed	123	Listed Mixed	0		
TOTAL	**1,222**	**TOTAL**	**185**	**TOTAL Char. & Listed**	**46**

Exclusion of wastewater from the 1999 National Biennial Report will make cursory comparisons of the 1999 National Biennial Report to National Biennial Reports prior to 1997 misleading. Refer to Executive Summary (ES-2) for a complete explanation.

HAWAII

1999 WASTE MANAGEMENT

3	Total Number of RCRA TSD Facilities
156 Tons	Total Quantity of RCRA Hazardous Waste Managed

Table 3

Largest RCRA Hazardous Waste Managers and Quantity Managed (tons), 1999

	Site Name	*City*	*Tons of Waste Managed**	*EPA ID*
1	USNAVY PWC - PEARL HARBOR NAVAL COMPLEX	PEARL HARBOR	156	HI1170024334
2	USNAVY PEARL HARBOR SHIPYARD	PEARL HARBOR	0	HI6170024339
	TOTAL		**156**	

* Facilities reporting storage only and their quantity managed are excluded.

Top Ten Wastes Managed*: D001, D008, D035, D009, D007, D018, F003, D006, F005, D005

* Based on the Federal hazardous waste codes most frequently reported, not the quantity managed. See Appendix D of the National Analysis for a description of these waste codes.

Top Three Management Methods

- The top three management methods used in Hawaii were: fuel blending (73 tons), stabilization (70 tons), and solvents recovery (6 tons).

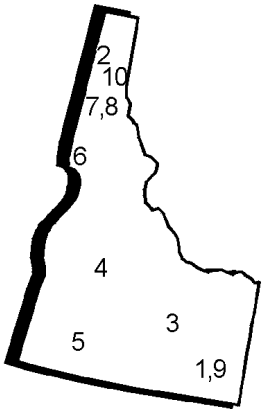
Hawaii Imports/Exports (As reported by Hawaii).

- The State that shipped the largest quantity of waste to Hawaii was Trust Territories (6 tons).
- The State to which Hawaii shipped the largest quantity of waste was California (241 tons).

NOTE: Columns may not sum due to rounding.

Exclusion of wastewater from the 1999 National Biennial Report will make cursory comparisons of the 1999 National Biennial Report to National Biennial Reports prior to 1997 misleading. Refer to Executive Summary (ES-2) for a complete explanation.

IDAHO



1999 WASTE GENERATION

38	**Total Number of RCRA Large Quantity Generators (LQGs)**

851,764 Tons	**Total Quantity of RCRA Hazardous Waste Generated**

Table 1

Ten Largest RCRA Hazardous Waste Generators and Quantity Generated (tons), 1999

	Site Name	*City*	*Tons of Waste Generated*	*EPA ID*
1	ASTARIS IDAHO LLC (FORMER FMC CORP)	POCATELLO	846,150	IDD070929518
2	L D MCFARLAND CO	SANDPOINT	1,987	IDD009062597
3	US DOE INEEL LAB	SCOVILLE	1,247	ID4890008952
4	MICRON TECHNOLOGY INC	BOISE	583	IDD093120871
5	ENVIROSAFE SERVICES OF IDAHO INC SITE B	GRAND VIEW	396	IDD073114654
6	BLOUNT INC - CCI OPERATIONS	LEWISTON	275	IDD009066481
7	ST MARIES CREOSOTE SITE - CARNEY PRODUCT	ST MARIES	200	IDR000001065
8	HARPERS INC	POST FALLS	149	ID0000285106
9	AMERICAN MICROSYSTEMS INC (AMI)	POCATELLO	144	IDD053798104
10	ADVANCED INPUT DEVICES - PRIEST RIVER	PRIEST RIVER	96	IDD980835995
	TOTAL		**851,227**	

Top Ten Wastes Generated*: D001, D008, D007, D006, F003, F005, D002, D009, F002, D011

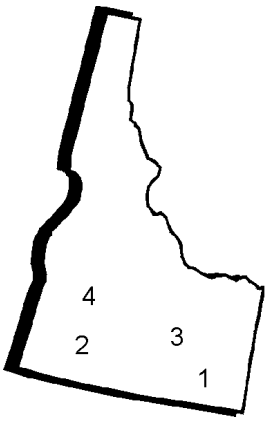
* Based on the Federal hazardous waste codes most frequently reported, not the quantity generated. See Appendix D of the National Analysis for a description of these waste codes.

Table 2

Quantity of Generated Waste (tons) that Was Only a Characteristic Waste, Only a Listed Waste or Both Characteristic and Listed Waste, 1999

Only Characteristic		Only Listed		Both Characteristic & Listed	
Ignitable	179	F Waste	2,840		
Corrosive	25	K Waste	45		
Reactive	175,373	P Waste	0		
Toxic (D004-17)	545	U Waste	19		
Toxic (D018-43)	74				
Characteristic Mixed	670,751	Listed Mixed	6		
TOTAL	**846,947**	**TOTAL**	**2,910**	**TOTAL Char. & Listed**	**1,907**

Exclusion of wastewater from the 1999 National Biennial Report will make cursory comparisons of the 1999 National Biennial Report to National Biennial Reports prior to 1997 misleading. Refer to Executive Summary (ES-2) for a complete explanation.



IDAHO

1999 WASTE MANAGEMENT

6	**Total Number of RCRA TSD Facilities**

860,261 Tons	**Total Quantity of RCRA Hazardous Waste Managed**

Table 3

Largest RCRA Hazardous Waste Managers and Quantity Managed (tons), 1999

	Site Name	*City*	*Tons of Waste Managed**	*EPA ID*
1	ASTARIS IDAHO LLC (FORMER FMC CORP)	POCATELLO	704,844	IDD070929518
2	ENVIROSAFE SERVICES OF IDAHO INC SITE B	GRAND VIEW	154,780	IDD073114654
3	US DOE INEEL LAB	SCOVILLE	637	ID4890008952
4	BOISE LOCOMOTIVE CO	BOISE	1	IDD980976831
	TOTAL		**860,261**	

* Facilities reporting storage only and their quantity managed are excluded.

Top Ten Wastes Managed*: D008, D007, D006, D009, F005, F003, D001, D004, D011, D002

* Based on the Federal hazardous waste codes most frequently reported, not the quantity managed. See Appendix D of the National Analysis for a description of these waste codes.

Top Three Management Methods

- The top three management methods used in Idaho were: surface impoundment (705,304 tons), stabilization (110,691 tons), and landfill (43,591 tons).

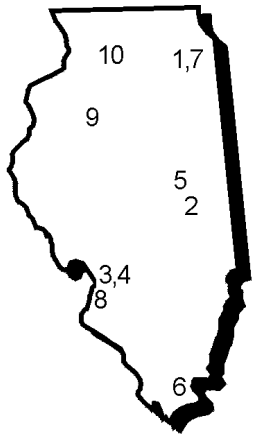
Idaho Imports/Exports (As reported by Idaho).

- The State that shipped the largest quantity of waste to Idaho was Arkansas (74,092 tons).
- The State to which Idaho shipped the largest quantity of waste was Colorado (659 tons).

NOTE: Columns may not sum due to rounding.

Exclusion of wastewater from the 1999 National Biennial Report will make cursory comparisons of the 1999 National Biennial Report to National Biennial Reports prior to 1997 misleading. Refer to Executive Summary (ES-2) for a complete explanation.

ILLINOIS



1999 WASTE GENERATION

1,006	**Total Number of RCRA Large Quantity Generators (LQGs)**

2,907,327 Tons	**Total Quantity of RCRA Hazardous Waste Generated**

Table 1

Ten Largest RCRA Hazardous Waste Generators and Quantity Generated (tons), 1999

	Site Name	*City*	*Tons of Waste Generated*	*EPA ID*
1	MOBIL OIL CORP	CHANNAHON	1,195,517	ILD064403199
2	CABOT CORP	TUSCOLA	475,081	ILD042075333
3	WOOD RIVER REFINING CO	ROXANA	191,454	ILD080012305
4	OLIN BRASS & WINCHESTER INC	EAST ALTON	161,432	ILD006271696
5	GUARDIAN WEST	URBANA	105,162	ILR000061853
6	HONEYWELL INTL INC	METROPOLIS	78,017	ILD006278170
7	GATTO INDUSTRIAL PLATERS INC	CHICAGO	75,264	ILD984832311
8	PRECOAT METALS	GRANITE CITY	63,619	ILT180014698
9	PEORIA DISPOSAL CO INC	PEORIA	57,333	ILD000805812
10	NORTHWESTERN STEEL & WIRE CO	STERLING	54,703	ILD005263157
	TOTAL		**2,457,581**	

Top Ten Wastes Generated*: D001, D002, F003, F005, D008, D007, D035, F002, D009, D006

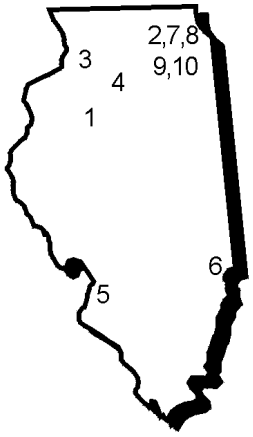
* Based on the Federal hazardous waste codes most frequently reported, not the quantity generated. See Appendix D of the National Analysis for a description of these waste codes.

Table 2

Quantity of Generated Waste (tons) that Was Only a Characteristic Waste, Only a Listed Waste or Both Characteristic and Listed Waste, 1999

Only Characteristic		Only Listed		Both Characteristic & Listed	
Ignitable	136,366	F Waste	48,874		
Corrosive	196,705	K Waste	186,111		
Reactive	16,962	P Waste	74,716		
Toxic (D004-17)	130,613	U Waste	4,971		
Toxic (D018-43)	6,831				
Characteristic Mixed	1,475,770	Listed Mixed	20,839		
TOTAL	**1,963,247**	**TOTAL**	**335,510**	**TOTAL Char. & Listed**	**608,232**

Exclusion of wastewater from the 1999 National Biennial Report will make cursory comparisons of the 1999 National Biennial Report to National Biennial Reports prior to 1997 misleading. Refer to Executive Summary (ES-2) for a complete explanation.



ILLINOIS

1999 WASTE MANAGEMENT

86	**Total Number of RCRA TSD Facilities**
428,280 Tons	**Total Quantity of RCRA Hazardous Waste Managed**

Table 3

Ten Largest RCRA Hazardous Waste Managers and Quantity Managed (tons), 1999

	Site Name	*City*	*Tons of Waste Managed**	*EPA ID*
1	PEORIA DISPOSAL CO INC	PEORIA	160,409	ILD000805812
2	SAFETY-KLEEN ENVIRONSYSTEMS CO	DOLTON	85,384	ILD980613913
3	NORTHWESTERN STEEL & WIRE CO	STERLING	53,919	ILD005263157
4	LTV STEEL CO	HENNEPIN	41,320	ILD000781591
5	ONYX ENV SVCS	SAUGET	33,648	ILD098642424
6	MARATHON ASHLAND PETROLEUM LLC	ROBINSON	20,658	ILD005476882
7	HERITAGE ENVIRONMENTAL SERVICE	LEMONT	13,683	ILD085349264
8	CLEAN HARBORS SVCS INC	CHICAGO	11,938	ILD000608471
9	MCWHORTER EAST -FORMER CARGILL	CARPENTERSVILLE	3,965	ILD005083316
10	ENVIRITE OF ILLINOIS INC	HARVEY	2,294	ILD000666206
	TOTAL		**427,219**	

* Facilities reporting storage only and their quantity managed are excluded.

Top Ten Wastes Managed*: D001, F003, F005, D018, D039, D008, D040, D006, D035, D002

* Based on the Federal hazardous waste codes most frequently reported, not the quantity managed. See Appendix D of the National Analysis for a description of these waste codes.

Top Three Management Methods

- The top three management methods used in Illinois were: stabilization (128,114 tons), landfill (86,873 tons), and fuel blending (72,233 tons).

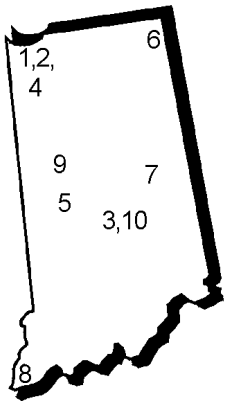
Illinois Imports/Exports (As reported by Illinois).

- The State that shipped the largest quantity of waste to Illinois was Iowa (28,335 tons).
- The State to which Illinois shipped the largest quantity of waste was Indiana (55,331 tons).

NOTE: Columns may not sum due to rounding.

Exclusion of wastewater from the 1999 National Biennial Report will make cursory comparisons of the 1999 National Biennial Report to National Biennial Reports prior to 1997 misleading. Refer to Executive Summary (ES-2) for a complete explanation.

INDIANA



1999 WASTE GENERATION

586	**Total Number of RCRA Large Quantity Generators (LQGs)**

984,895 Tons	**Total Quantity of RCRA Hazardous Waste Generated**

Table 1

Ten Largest RCRA Hazardous Waste Generators and Quantity Generated (tons), 1999

	Site Name	*City*	*Tons of Waste Generated*	*EPA ID*
1	BETHLEHEM STEEL CORP., BURNS HARBOR DIV.	BURNS HARBOR	370,379	IND003913423
2	AMOCO OIL COMPANY - LAKEFRONT	WHITING	100,825	IND000810861
3	HERITAGE ENVIRONMENTAL SVC - INDY	INDIANAPOLIS	86,243	IND093219012
4	MIDWEST STEEL DIV	PORTAGE	77,274	IND016584641
5	NUCOR STEEL	CRAWFORDSVILLE	54,255	IND181157009
6	STEEL DYNAMICS, INC.	BUTLER	54,133	INR000001099
7	GENERAL BATTERY/EXIDE CORP	MUNCIE	49,774	IND000717959
8	GENERAL ELECTRIC PLASTICS	MT VERNON	21,071	IND006376362
9	ELI LILLY - TIPPECANOE	LAFAYETTE	13,131	IND006050967
10	REILLY INDUSTRIES, INC	INDIANAPOLIS	12,520	IND000807107
	TOTAL		**839,604**	

Top Ten Wastes Generated*: D001, D002, F003, F005, D008, D007, D035, D003, D009, D018

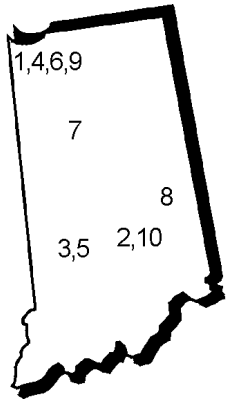
* Based on the Federal hazardous waste codes most frequently reported, not the quantity generated. See Appendix D of the National Analysis for a description of these waste codes.

Table 2

Quantity of Generated Waste (tons) that Was Only a Characteristic Waste, Only a Listed Waste or Both Characteristic and Listed Waste, 1999

Only Characteristic		Only Listed		Both Characteristic & Listed	
Ignitable	9,016	F Waste	36,979		
Corrosive	1,913	K Waste	272,284		
Reactive	37	P Waste	7		
Toxic (D004-17)	75,984	U Waste	556		
Toxic (D018-43)	1,400				
Characteristic Mixed	346,172	Listed Mixed	88,416		
TOTAL	**434,523**	**TOTAL**	**398,242**	**TOTAL Char. & Listed**	**152,064**

Exclusion of wastewater from the 1999 National Biennial Report will make cursory comparisons of the 1999 National Biennial Report to National Biennial Reports prior to 1997 misleading. Refer to Executive Summary (ES-2) for a complete explanation.



INDIANA

1999 WASTE MANAGEMENT

30	**Total Number of RCRA TSD Facilities**
1,187,981 Tons	**Total Quantity of RCRA Hazardous Waste Managed**

Table 3

Ten Largest RCRA Hazardous Waste Managers and Quantity Managed (tons), 1999

	Site Name	*City*	*Tons of Waste Managed**	*EPA ID*
1	BETHLEHEM STEEL CORP., BURNS HARBOR DIV.	BURNS HARBOR	370,009	IND003913423
2	QUEMETCO, INC.	INDIANAPOLIS	159,724	IND000199653
3	HERITAGE ENVIRONMENTAL SVC - ROACHDALE	ROACHDALE	128,153	IND980503890
4	AMOCO OIL COMPANY - LAKEFRONT	WHITING	99,157	IND000810861
5	LONE STAR ALTERNATE FUELS	GREENCASTLE	78,403	IND006419212
6	MIDWEST STEEL DIV	PORTAGE	77,160	IND016584641
7	ESSROC CEMENT INC	LOGANSPORT	76,456	IND005081542
8	GENERAL BATTERY/EXIDE CORP	MUNCIE	48,400	IND000717959
9	POLLUTION CONTROL INDUSTRIES, INC.	EAST CHICAGO	32,750	IND000646943
10	HERITAGE ENVIRONMENTAL SVC - INDY	INDIANAPOLIS	27,252	IND093219012
	TOTAL		**1,097,463**	

* Facilities reporting storage only and their quantity managed are excluded.

Top Ten Wastes Managed*: D001, F003, F005, D035, D018, LABP, F002, D008, D007, D002

* Based on the Federal hazardous waste codes most frequently reported, not the quantity managed. See Appendix D of the National Analysis for a description of these waste codes.

Top Three Management Methods

- The top three management methods used in Indiana were: deepwell / underground injection (430,563 tons), energy recovery (209,003 tons), and metals recovery (208,436 tons).

Indiana Imports/Exports (As reported by Indiana).

- The State that shipped the largest quantity of waste to Indiana was Illinois (53,327 tons).
- The State to which Indiana shipped the largest quantity of waste was Ohio (61,841 tons).

NOTE: Columns may not sum due to rounding.

Exclusion of wastewater from the 1999 National Biennial Report will make cursory comparisons of the 1999 National Biennial Report to National Biennial Reports prior to 1997 misleading. Refer to Executive Summary (ES-2) for a complete explanation.

IOWA

1999 WASTE GENERATION

188	**Total Number of RCRA Large Quantity Generators (LQGs)**

46,828 Tons	**Total Quantity of RCRA Hazardous Waste Generated**

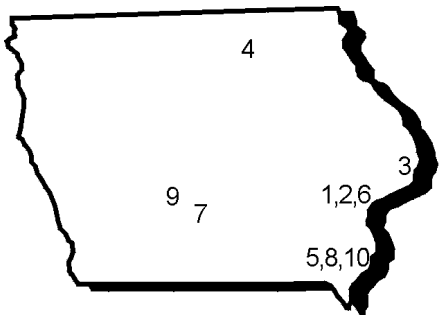


Table 1

Ten Largest RCRA Hazardous Waste Generators and Quantity Generated (tons), 1999

	Site Name	*City*	*Tons of Waste Generated*	*EPA ID*
1	IPSCO STEEL INC	MUSCATINE	19,313	IAR000000216
2	NORTH STAR STEEL IOWA	WILTON	5,333	IAD000223354
3	EQUISTAR CHEMICALS LP	CLINTON	2,469	IAD045372836
4	SALSBURY CHEMICALS INC	CHARLES CITY	2,204	IAD984591891
5	E.I. DU PONT DE NEMOURS AND COMPANY	FORT MADISON	2,017	IAD005272398
6	MONSANTO COMPANY	MUSCATINE	1,597	IAD005273594
7	3M KNOXVILLE	KNOXVILLE	1,133	IAD075846824
8	FEDERAL-MOGUL CORP	BURLINGTON	869	IAD000805143
9	PECHINEY PLASTIC PACKAGING INC	DES MOINES	653	IAD001818327
10	DEXTER CO	FAIRFIELD	581	IAD000830018
	TOTAL		**36,169**	

Top Ten Wastes Generated*: D001, F003, D002, F005, D008, D009, D007, F002, D022, D003

* Based on the Federal hazardous waste codes most frequently reported, not the quantity generated. See Appendix D of the National Analysis for a description of these waste codes.

Table 2

Quantity of Generated Waste (tons) that Was Only a Characteristic Waste, Only a Listed Waste or Both Characteristic and Listed Waste, 1999

Only Characteristic		Only Listed		Both Characteristic & Listed	
Ignitable	2,978	F Waste	1,393		
Corrosive	717	K Waste	26,079		
Reactive	23	P Waste	195		
Toxic (D004-17)	4,716	U Waste	154		
Toxic (D018-43)	1,255				
Characteristic Mixed	2,318	Listed Mixed	12		
TOTAL	**12,008**	**TOTAL**	**27,834**	**TOTAL Char. & Listed**	**6,981**

Exclusion of wastewater from the 1999 National Biennial Report will make cursory comparisons of the 1999 National Biennial Report to National Biennial Reports prior to 1997 misleading. Refer to Executive Summary (ES-2) for a complete explanation.

IOWA

1999 WASTE MANAGEMENT

26	**Total Number of RCRA TSD Facilities**
1,389 Tons	**Total Quantity of RCRA Hazardous Waste Managed**

Table 3

Largest RCRA Hazardous Waste Managers and Quantity Managed (tons), 1999

	Site Name	*City*	*Tons of Waste Managed**	*EPA ID*
1	MONSANTO COMPANY	MUSCATINE	1,377	IAD005273594
2	TITAN-WHEEL CORP OF IOWA	WALCOTT	11	IAT200010999
3	IOWA ARMY AMMUNITION PLANT	MIDDLETOWN	1	IA7213820445
	TOTAL		**1,389**	

* Facilities reporting storage only and their quantity managed are excluded.

Top Ten Wastes Managed*: D001, D003, D002, D007, D018, D019, D021, D022, D028, F003

* Based on the Federal hazardous waste codes most frequently reported, not the quantity managed. See Appendix D of the National Analysis for a description of these waste codes.

Top Three Management Methods

- The top three management methods used in Iowa were: incineration (1,377 tons), solvents recovery (11 tons), and metals recovery (1 tons).

Iowa Imports/Exports (As reported by Iowa).

- The State that shipped the largest quantity of waste to Iowa was Illinois (193 tons).
- The State to which Iowa shipped the largest quantity of waste was Illinois (31,891 tons).

NOTE: Columns may not sum due to rounding.

Exclusion of wastewater from the 1999 National Biennial Report will make cursory comparisons of the 1999 National Biennial Report to National Biennial Reports prior to 1997 misleading. Refer to Executive Summary (ES-2) for a complete explanation.

KANSAS

1999 WASTE GENERATION

224	**Total Number of RCRA Large Quantity Generators (LQGs)**

1,594,119 Tons	**Total Quantity of RCRA Hazardous Waste Generated**

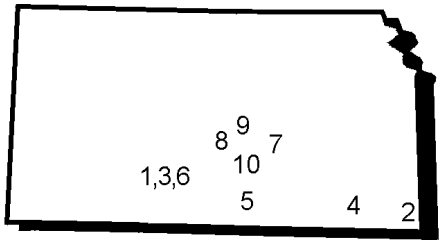


Table 1

Ten Largest RCRA Hazardous Waste Generators and Quantity Generated (tons), 1999

	Site Name	*City*	*Tons of Waste Generated*	*EPA ID*
1	VULCAN MATERIALS COMPANY	WICHITA	1,504,006	KSD007482029
2	JAYHAWK FINE CHEMICALS CORP	GALENA	27,178	KSD980854285
3	ELF ATOCHEM NORTH AMERICA, INC.	WICHITA	15,482	KSD007249980
4	SAFETY-KLEEN (COFFEYVILLE), INC.	COFFEYVILLE	9,361	KSD981506025
5	BNSF WELLINGTON TIE PLANT	WELLINGTON	8,900	KSP000000804
6	THE BOEING COMPANY - WICHITA	WICHITA	6,187	KSD007237241
7	FRONTIER ELDORADO REFINING CO	ELDORADO	5,276	KSD007233422
8	SUNFLOWER ARMY AMMUNITION PLANT	DE SOTO	2,788	KS3213820878
9	NATIONAL COOPERATIVE REFINERY ASSOC	MCPHERSON	1,472	KSD007145956
10	AIR PRODUCTS MFG CORP	HAYSVILLE	1,023	KSD007237746
	TOTAL		**1,581,673**	

Top Ten Wastes Generated*: D001, D008, D007, F003, D006, F005, D002, D018, D009, D039

* Based on the Federal hazardous waste codes most frequently reported, not the quantity generated. See Appendix D of the National Analysis for a description of these waste codes.

Table 2

Quantity of Generated Waste (tons) that Was Only a Characteristic Waste, Only a Listed Waste or Both Characteristic and Listed Waste, 1999

Only Characteristic		Only Listed		Both Characteristic & Listed	
Ignitable	919	F Waste	9,419		
Corrosive	28,211	K Waste	6,605		
Reactive	24	P Waste	93		
Toxic (D004-17)	5,969	U Waste	147		
Toxic (D018-43)	469				
Characteristic Mixed	16,827	Listed Mixed	240		
TOTAL	**52,418**	**TOTAL**	**16,504**	**TOTAL Char. & Listed**	**1,525,179**

Exclusion of wastewater from the 1999 National Biennial Report will make cursory comparisons of the 1999 National Biennial Report to National Biennial Reports prior to 1997 misleading. Refer to Executive Summary (ES-2) for a complete explanation.

KANSAS

1999 WASTE MANAGEMENT

24	**Total Number of RCRA TSD Facilities**
2,278,712 Tons	**Total Quantity of RCRA Hazardous Waste Managed**

Table 3

Largest RCRA Hazardous Waste Managers and Quantity Managed (tons), 1999

	Site Name	*City*	*Tons of Waste Managed**	*EPA ID*
1	VULCAN MATERIALS COMPANY	WICHITA	2,128,899	KSD007482029
2	SYSTECH FREDONIA	FREDONIA	82,037	KSD980633259
3	ASH GROVE CEMENT COMPANY	CHANUTE	58,762	KSD031203318
4	SAFETY-KLEEN (COFFEYVILLE), INC.	COFFEYVILLE	8,837	KSD981506025
5	VAN WATERS & ROGERS INC	WICHITA	177	KSD000809715
6	LAFARGE CORP - FREDONIA PLANT	FREDONIA	1	KSD007148034
	TOTAL		**2,278,712**	

* Facilities reporting storage only and their quantity managed are excluded.

Top Ten Wastes Managed*: D001, F003, F005, D008, D035, D007, D018, F002, D005, D006

* Based on the Federal hazardous waste codes most frequently reported, not the quantity managed. See Appendix D of the National Analysis for a description of these waste codes.

Top Three Management Methods

- The top three management methods used in Kansas were: deepwell / underground injection (2,128,899 tons), fuel blending (82,214 tons), and energy recovery (58,762 tons).

Kansas Imports/Exports (As reported by Kansas).

- The State that shipped the largest quantity of waste to Kansas was California (43,345 tons).
- The State to which Kansas shipped the largest quantity of waste was Oklahoma (291,879 tons).

NOTE: Columns may not sum due to rounding.

Exclusion of wastewater from the 1999 National Biennial Report will make cursory comparisons of the 1999 National Biennial Report to National Biennial Reports prior to 1997 misleading. Refer to Executive Summary (ES-2) for a complete explanation.

KENTUCKY

1999 WASTE GENERATION

340	**Total Number of RCRA Large Quantity Generators (LQGs)**

214,842 Tons	**Total Quantity of RCRA Hazardous Waste Generated**

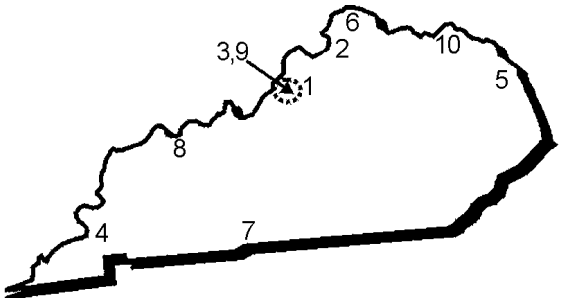


Table 1

Ten Largest RCRA Hazardous Waste Generators and Quantity Generated (tons), 1999

	Site Name	*City*	*Tons of Waste Generated*	*EPA ID*
1	SAFETY-KLEEN SYSTEMS, INC	SMITHFIELD	56,084	KYD053348108
2	GALLATIN STEEL COMPANY	WARSAW	27,113	KYD985115237
3	ROHM & HAAS COMPANY	LOUISVILLE	16,866	KYD006390017
4	LWD, INC.	CALVERT CITY	15,870	KYD088438817
5	CATLETTSBURG REFINING, LLC	CATLETTSBURG	12,751	KYD041376138
6	NEWPORT STEEL CORPORATION	WILDER	11,686	KYD991277112
7	QUEBECOR PRINTING FRANKLIN	FRANKLIN	8,254	KYD094203213
8	NSA - A DIVISION OF SOUTHWIRE COMPANY	HAWESVILLE	3,801	KYD049062375
9	DUPONT DOW ELASTOMERS L.L.C.	LOUISVILLE	3,616	KYR000004994
10	KENTUCKY ELECTRIC STEEL	ASHLAND	3,488	KYD000207282
	TOTAL		**159,530**	

Top Ten Wastes Generated*: D001, F003, F005, D008, D002, D007, D018, D035, D006, D003

* Based on the Federal hazardous waste codes most frequently reported, not the quantity generated. See Appendix D of the National Analysis for a description of these waste codes.

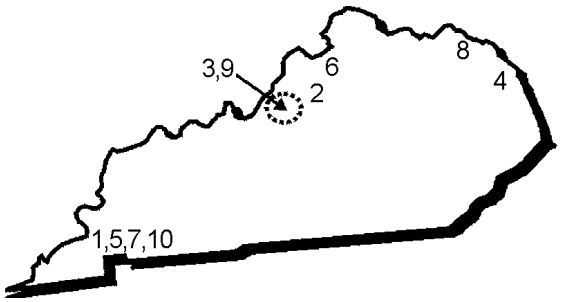
Table 2

Quantity of Generated Waste (tons) that Was Only a Characteristic Waste, Only a Listed Waste or Both Characteristic and Listed Waste, 1999

Only Characteristic		Only Listed		Both Characteristic & Listed	
Ignitable	7,369	F Waste	29,004		
Corrosive	676	K Waste	47,714		
Reactive	74	P Waste	0		
Toxic (D004-17)	5,251	U Waste	140		
Toxic (D018-43)	2,383				
Characteristic Mixed	36,647	Listed Mixed	3		
TOTAL	**52,400**	**TOTAL**	**76,861**	**TOTAL Char. & Listed**	**85,566**

Exclusion of wastewater from the 1999 National Biennial Report will make cursory comparisons of the 1999 National Biennial Report to National Biennial Reports prior to 1997 misleading. Refer to Executive Summary (ES-2) for a complete explanation.

KENTUCKY



1999 WASTE MANAGEMENT

27	**Total Number of RCRA TSD Facilities**
92,897 Tons	**Total Quantity of RCRA Hazardous Waste Managed**

Table 3

Ten Largest RCRA Hazardous Waste Managers and Quantity Managed (tons), 1999

	Site Name	*City*	*Tons of Waste Managed**	*EPA ID*
1	LWD, INC.	CALVERT CITY	32,671	KYD088438817
2	SAFETY-KLEEN SYSTEMS, INC	SMITHFIELD	24,789	KYD053348108
3	ROHM & HAAS COMPANY	LOUISVILLE	15,060	KYD006390017
4	CALGON CARBON CORPORATION	CATLETTSBURG	11,967	KYD005009923
5	LWD, INC.	CALVERT CITY	3,004	KYD985073196
6	ELF ATOCHEM NORTH AMERICA	CARROLLTON	2,549	KYD006373922
7	ELF ATOCHEM NORTH AMERICA, INC.	CALVERT CITY	2,423	KYD006370159
8	SAFETY-KLEEN SYSTEMS INC	ASHLAND	411	KYD981027451
9	USAARMC & FT. KNOX	FORT KNOX	15	KY6210020479
10	US DOE PADUCAH GASEOUS DIFFUSION PLANT	WEST PADUCAH	7	KY8890008982
	TOTAL		**92,896**	

* Facilities reporting storage only and their quantity managed are excluded.

Top Ten Wastes Managed*: D001, F003, D018, F005, D035, F001, D039, F002, D008, D007

* Based on the Federal hazardous waste codes most frequently reported, not the quantity managed. See Appendix D of the National Analysis for a description of these waste codes.

Top Three Management Methods

- The top three management methods used in Kentucky were: incineration (37,643 tons), fuel blending (24,693 tons), and energy recovery (15,060 tons).

Kentucky Imports/Exports (As reported by Kentucky).

- The State that shipped the largest quantity of waste to Kentucky was Texas (9,388 tons).
- The State to which Kentucky shipped the largest quantity of waste was Missouri (36,722 tons).

NOTE: Columns may not sum due to rounding.

Exclusion of wastewater from the 1999 National Biennial Report will make cursory comparisons of the 1999 National Biennial Report to National Biennial Reports prior to 1997 misleading. Refer to Executive Summary (ES-2) for a complete explanation.

LOUISIANA

1999 WASTE GENERATION

440	**Total Number of RCRA Large Quantity Generators (LQGs)**

4,351,245 Tons	**Total Quantity of RCRA Hazardous Waste Generated**

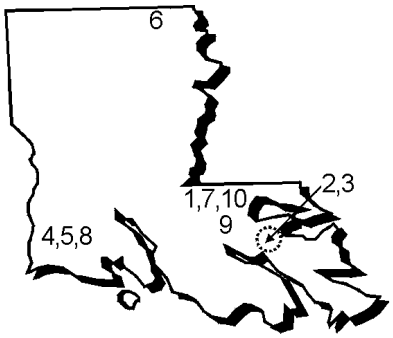


Table 1

Ten Largest RCRA Hazardous Waste Generators and Quantity Generated (tons), 1999

	Site Name	*City*	*Tons of Waste Generated*	*EPA ID*
1	RUBICON INC.	GEISMAR	1,761,129	LAD008213191
2	CYTEC INDUSTRIES INC.	WAGGAMAN	1,550,974	LAD008175390
3	E. I. DUPONT DE NEMOURS & CO., INC.	LAPLACE	227,444	LAD001890367
4	CONDEA VISTA/GEORGIA GULF	WESTLAKE	181,119	LAD086478047
5	CHEMICAL WASTE MANAGEMENT	SULPHUR	143,662	LAD000777201
6	ANGUS CHEMICAL COMPANY	STERLINGTON	122,990	LAD020597597
7	THE DOW CHEMICAL COMPANY	PLAQUEMINE	31,349	LAD008187080
8	PPG INDUSTRIES, INC.	LAKE CHARLES	31,291	LAD008086506
9	GEORGIA GULF CHEMICALS AND VINYLS, LLC	PLAQUEMINE	30,803	LAD057117434
10	BASF CORPORATION	GEISMAR	23,997	LAD040776809
	TOTAL		**4,104,759**	

Top Ten Wastes Generated*: D001, F003, F005, D002, D008, D007, D018, D035, D006, D009

* Based on the Federal hazardous waste codes most frequently reported, not the quantity generated. See Appendix D of the National Analysis for a description of these waste codes.

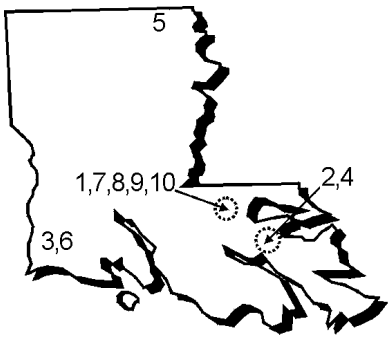
Table 2

Quantity of Generated Waste (tons) that Was Only a Characteristic Waste, Only a Listed Waste or Both Characteristic and Listed Waste, 1999

Only Characteristic		Only Listed		Both Characteristic & Listed	
Ignitable	53,087	F Waste	12,693		
Corrosive	133,620	K Waste	348,437		
Reactive	39,228	P Waste	104		
Toxic (D004-17)	22,351	U Waste	4,048		
Toxic (D018-43)	211,811				
Characteristic Mixed	593,415	Listed Mixed	33,048		
TOTAL	**1,053,512**	**TOTAL**	**398,331**	**TOTAL Char. & Listed**	**2,899,392**

Exclusion of wastewater from the 1999 National Biennial Report will make cursory comparisons of the 1999 National Biennial Report to National Biennial Reports prior to 1997 misleading. Refer to Executive Summary (ES-2) for a complete explanation.

LOUISIANA



1999 WASTE MANAGEMENT

68	**Total Number of RCRA TSD Facilities**
4,232,705 Tons	**Total Quantity of RCRA Hazardous Waste Managed**

Table 3

Ten Largest RCRA Hazardous Waste Managers and Quantity Managed (tons), 1999

	Site Name	*City*	*Tons of Waste Managed**	*EPA ID*
1	RUBICON INC.	GEISMAR	1,756,225	LAD008213191
2	CYTEC INDUSTRIES INC.	WAGGAMAN	1,550,783	LAD008175390
3	CHEMICAL WASTE MANAGEMENT	SULPHUR	258,000	LAD000777201
4	E. I. DUPONT DE NEMOURS & CO., INC.	LAPLACE	229,473	LAD001890367
5	ANGUS CHEMICAL COMPANY	STERLINGTON	122,483	LAD020597597
6	PPG INDUSTRIES, INC.	LAKE CHARLES	64,532	LAD008086506
7	THE DOW CHEMICAL COMPANY	PLAQUEMINE	33,992	LAD008187080
8	SAFETY-KLEEN (PLAQUEMINE), INC.	PLAQUEMINE	31,565	LAD000778514
9	GEORGIA GULF CHEMICALS AND VINYLS, LLC	PLAQUEMINE	29,955	LAD057117434
10	RHODIA INC.	BATON ROUGE	23,448	LAD008161234
	TOTAL		**4,100,455**	

* Facilities reporting storage only and their quantity managed are excluded.

Top Ten Wastes Managed*: D008, D001, D007, D006, D002, D009, D005, D011, D004, D010

* Based on the Federal hazardous waste codes most frequently reported, not the quantity managed. See Appendix D of the National Analysis for a description of these waste codes.

Top Three Management Methods

- The top three management methods used in Louisiana were: deepwell / underground injection (3,676,111 tons), landfill (174,966 tons), and energy recovery (115,072 tons).

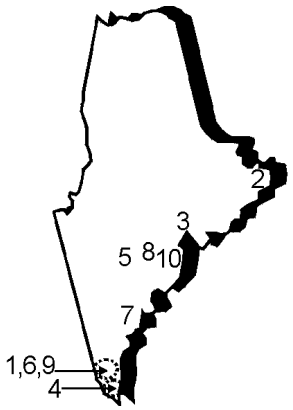
Louisiana Imports/Exports (As reported by Louisiana).

- The State that shipped the largest quantity of waste to Louisiana was Texas (110,533 tons).
- The State to which Louisiana shipped the largest quantity of waste was Texas (63,546 tons).

NOTE: Columns may not sum due to rounding.

Exclusion of wastewater from the 1999 National Biennial Report will make cursory comparisons of the 1999 National Biennial Report to National Biennial Reports prior to 1997 misleading. Refer to Executive Summary (ES-2) for a complete explanation.

MAINE



1999 WASTE GENERATION

102	**Total Number of RCRA Large Quantity Generators (LQGs)**

4,374 Tons	**Total Quantity of RCRA Hazardous Waste Generated**

Table 1

Ten Largest RCRA Hazardous Waste Generators and Quantity Generated (tons), 1999

	Site Name	*City*	*Tons of Waste Generated*	*EPA ID*
1	CYRO INDUSTRIES	SANFORD	696	MED040249096
2	ENGELHARD CORP	EASTPORT	429	MED001099308
3	HOLTRACHEM MANUFACTURING CO., LLC	ORRINGTON	407	MED000242701
4	PORTSMOUTH NAVAL SHIPYARD	KITTERY	343	ME7170022019
5	GENERAL ELECTRIC COMPANY INDUSTRIAL SYS	AUBURN	239	MED051431906
6	PRATT & WHITNEY	NORTH BERWICK	193	MED000791681
7	FAIRCHILD SEMICONDUCTOR CORPORATION	SOUTH PORTLAND	192	ME5000001313
8	MAINE POLY INC.	GREENE	188	MED071735096
9	SILVEX INC.	WESTBROOK	152	MED980910053
10	OSRAM SYLVANIA	WALDOBORO	137	MED001099746
	TOTAL		**2,976**	

Top Ten Wastes Generated*: D001, D002, D008, F003, D007, D009, F005, D006, D035, D003

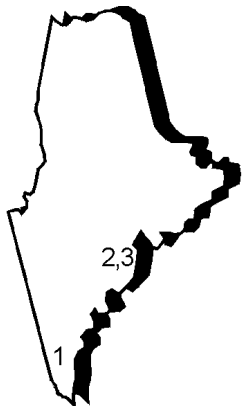
* Based on the Federal hazardous waste codes most frequently reported, not the quantity generated. See Appendix D of the National Analysis for a description of these waste codes.

Table 2

Quantity of Generated Waste (tons) that Was Only a Characteristic Waste, Only a Listed Waste or Both Characteristic and Listed Waste, 1999

Only Characteristic		Only Listed		Both Characteristic & Listed	
Ignitable	296	F Waste	172		
Corrosive	256	K Waste	351		
Reactive	1	P Waste	0		
Toxic (D004-17)	686	U Waste	3		
Toxic (D018-43)	405				
Characteristic Mixed	433	Listed Mixed	0		
TOTAL	**2,076**	**TOTAL**	**527**	**TOTAL Char. & Listed**	**1,766**

Exclusion of wastewater from the 1999 National Biennial Report will make cursory comparisons of the 1999 National Biennial Report to National Biennial Reports prior to 1997 misleading. Refer to Executive Summary (ES-2) for a complete explanation.



MAINE

1999 WASTE MANAGEMENT

10	**Total Number of RCRA TSD Facilities**

571 Tons	**Total Quantity of RCRA Hazardous Waste Managed**

Table 3

Largest RCRA Hazardous Waste Managers and Quantity Managed (tons), 1999

	Site Name	*City*	*Tons of Waste Managed**	*EPA ID*
1	CYRO INDUSTRIES	SANFORD	437	MED040249096
2	OSRAM SYLVANIA	WALDOBORO	129	MED001099746
3	OSRAM SYLVANIA PRODUCTS INC.	BANGOR	5	MED043249945
	TOTAL		**571**	

* Facilities reporting storage only and their quantity managed are excluded.

Top Wastes Managed*: D001, D002, F003, U162

* Based on the Federal hazardous waste codes most frequently reported, not the quantity managed. See Appendix D of the National Analysis for a description of these waste codes.

Top Management Methods

- The top management methods used in Maine were: solvents recovery (442 tons) and other recovery (129 tons).

Maine Imports/Exports (As reported by Maine).

- The State that shipped the largest quantity of waste to Maine was New Hampshire (2 tons).
- The State to which Maine shipped the largest quantity of waste was Massachusetts (1,654 tons).

NOTE: Columns may not sum due to rounding.

Exclusion of wastewater from the 1999 National Biennial Report will make cursory comparisons of the 1999 National Biennial Report to National Biennial Reports prior to 1997 misleading. Refer to Executive Summary (ES-2) for a complete explanation.

MARYLAND

1999 WASTE GENERATION

289	**Total Number of RCRA Large Quantity Generators (LQGs)**

80,256 Tons	**Total Quantity of RCRA Hazardous Waste Generated**

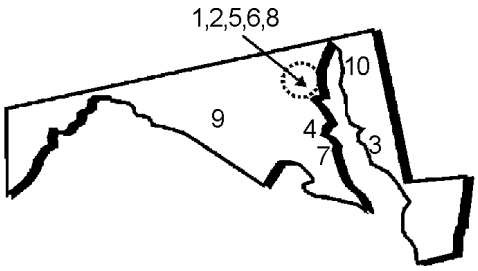


Table 1

Ten Largest RCRA Hazardous Waste Generators and Quantity Generated (tons), 1999

	Site Name	*City*	*Tons of Waste Generated*	*EPA ID*
1	MD PORT ADMINISTRATION	BALTIMORE	24,107	MDD030324073
2	FMC CORPORATION	BALTIMORE	10,316	MDD003071875
3	AIRPAX CORPORATION	CAMBRIDGE	10,139	MDD003070349
4	NAVY TRAINING CENTER BAINBRIDGE	PORT DEPOSIT	5,652	MDD985397256
5	BETHLEHEM STEEL CORPORATION	SPARROWS POINT	5,041	MDD053945432
6	BALTIMORE WORKS	BALTIMORE	4,726	MDD069396711
7	NAVAL AIR STATION - PATUXENT RIVER	PATUXENT RIVER	2,674	MD7170024536
8	CLEAN HARBORS OF BALTIMORE	BALTIMORE	2,391	MDD980555189
9	EASTALCO ALUMINUM COMPANY	FREDERICK	1,549	MDD990759375
10	VELSICOL CHEMICAL CORPORATION	CHESTERTOWN	1,519	MDD001890060
	TOTAL		**68,113**	

Top Ten Wastes Generated*: D001, D002, D008, F003, D003, D007, D009, F002, D011, P075

* Based on the Federal hazardous waste codes most frequently reported, not the quantity generated. See Appendix D of the National Analysis for a description of these waste codes.

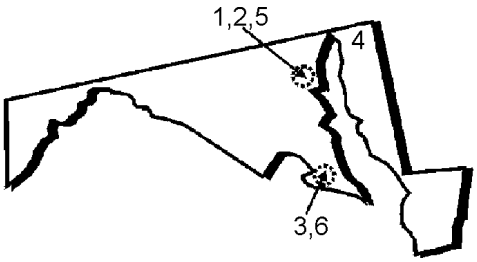
Table 2

Quantity of Generated Waste (tons) that Was Only a Characteristic Waste, Only a Listed Waste or Both Characteristic and Listed Waste, 1999

Only Characteristic		Only Listed		Both Characteristic & Listed	
Ignitable	5,624	F Waste	10,596		
Corrosive	299	K Waste	1,564		
Reactive	184	P Waste	199		
Toxic (D004-17)	36,329	U Waste	22		
Toxic (D018-43)	869				
Characteristic Mixed	3,302	Listed Mixed	2,559		
TOTAL	**46,607**	**TOTAL**	**14,940**	**TOTAL Char. & Listed**	**18,690**

Exclusion of wastewater from the 1999 National Biennial Report will make cursory comparisons of the 1999 National Biennial Report to National Biennial Reports prior to 1997 misleading. Refer to Executive Summary (ES-2) for a complete explanation.

MARYLAND



1999 WASTE MANAGEMENT

22	**Total Number of RCRA TSD Facilities**
12,306 Tons	**Total Quantity of RCRA Hazardous Waste Managed**

Table 3

Largest RCRA Hazardous Waste Managers and Quantity Managed (tons), 1999

	Site Name	*City*	*Tons of Waste Managed**	*EPA ID*
1	1SAFETY-KLEEN (TS) INC	LAUREL	7,864	MDD980554653
2	FMC CORPORATION	BALTIMORE	4,410	MDD003071875
3	NAVAL SURFACE WARFARE CENTER IHDIV	INDIAN HEAD	18	MD4170024109
4	THIOKOL PROPULSION	ELKTON	12	MDD003067121
5	TOWSON UNIVERSITY	TOWSON	2	MDD050793926
6	NAVEODTECHDIV	INDIAN HEAD	1	MD4170090001
	TOTAL		**12,306**	

* Facilities reporting storage only and their quantity managed are excluded.

Top Ten Wastes Managed*: D001, F003, D002, F005, D008, D007, D035, F002, D003, D018

* Based on the Federal hazardous waste codes most frequently reported, not the quantity managed. See Appendix D of the National Analysis for a description of these waste codes.

Top Three Management Methods

- The top three management methods used in Maryland were: incineration (6,161 tons), landfill (4,443 tons), and fuel blending (1,553 tons).

Maryland Imports/Exports (As reported by Maryland).

- The State that shipped the largest quantity of waste to Maryland was Pennsylvania (1,638 tons).
- The State to which Maryland shipped the largest quantity of waste was Washington (89,134 tons).

NOTE: Columns may not sum due to rounding.

Exclusion of wastewater from the 1999 National Biennial Report will make cursory comparisons of the 1999 National Biennial Report to National Biennial Reports prior to 1997 misleading. Refer to Executive Summary (ES-2) for a complete explanation.

MASSACHUSETTS

1999 WASTE GENERATION

448	**Total Number of RCRA Large Quantity Generators (LQGs)**

1,191,465 Tons	**Total Quantity of RCRA Hazardous Waste Generated**

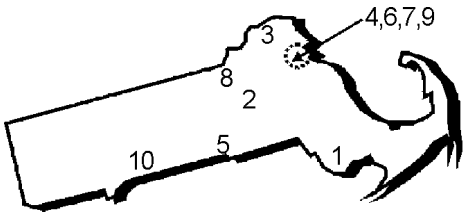


Table 1

Ten Largest RCRA Hazardous Waste Generators and Quantity Generated (tons), 1999

	Site Name	*City*	*Tons of Waste Generated*	*EPA ID*
1	WAKEFIELD ENGINEERING, INC.	FALL RIVER	546,952	MAD985290980
2	TYROLIT NORTH AMERICA INC.	WESTBOROUGH	458,557	MAD055744908
3	HEWLETT-PACKARD COMPANY	ANDOVER	131,365	MAD086534864
4	MA HWY DEPT CENTRAL ARTERY/TUNNEL PROJ	BOSTON	6,725	MA5000001040
5	SCHOTT FIBER OPTICS, INC.	SOUTHBRIDGE	3,723	MAD980730857
6	POLAROID CORPORATION	WALTHAM	2,915	MAD001402320
7	BOSTIK INC.	MIDDLETON	2,813	MAD001039767
8	CHEMDESIGN CORPORATION	FITCHBURG	2,750	MAD980912323
9	SANMINA CORPORATION	WILMINGTON	1,904	MAD990886301
10	OMNIGLOW CORPORATION	WEST SPRINGFIELD	1,745	MAD985290865
	TOTAL		**1,159,449**	

Top Ten Wastes Generated*: D001, D002, F003, D008, F005, D007, F002, D035, D011, D003

* Based on the Federal hazardous waste codes most frequently reported, not the quantity generated. See Appendix D of the National Analysis for a description of these waste codes.

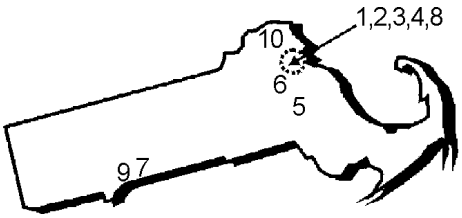
Table 2

Quantity of Generated Waste (tons) that Was Only a Characteristic Waste, Only a Listed Waste or Both Characteristic and Listed Waste, 1999

Only Characteristic		Only Listed		Both Characteristic & Listed	
Ignitable	5,249	F Waste	1,009,388		
Corrosive	2,813	K Waste	0		
Reactive	59	P Waste	2		
Toxic (D004-17)	139,567	U Waste	432		
Toxic (D018-43)	286				
Characteristic Mixed	5,342	Listed Mixed	0		
TOTAL	**153,317**	**TOTAL**	**1,009,822**	**TOTAL Char. & Listed**	**28,246**

Exclusion of wastewater from the 1999 National Biennial Report will make cursory comparisons of the 1999 National Biennial Report to National Biennial Reports prior to 1997 misleading. Refer to Executive Summary (ES-2) for a complete explanation.

MASSACHUSETTS



1999 WASTE MANAGEMENT

43	**Total Number of RCRA TSD Facilities**
7,092 Tons	**Total Quantity of RCRA Hazardous Waste Managed**

Table 3

Ten Largest RCRA Hazardous Waste Managers and Quantity Managed (tons), 1999

	Site Name	*City*	*Tons of Waste Managed**	*EPA ID*
1	CLEAN HARBORS OF BRAINTREE, INC.	BRAINTREE	2,778	MAD053452637
2	BOSTIK INC.	MIDDLETON	2,689	MAD001039767
3	AGFA CORPORATION	WILMINGTON	579	MAD000842377
4	AGFA CORPORATION	WILMINGTON	579	MAD001014174
5	ENVIRONMENTAL COMPLIANCE CORP	STOUGHTON	352	MAD062179890
6	GENERAL CHEMICAL CORPORATION	FRAMINGHAM	73	MAD019371079
7	BASF CORP. MORTON INTERNATIONAL, INC.	CHICOPEE	23	MAD087452611
8	GLYPTAL INC.	CHELSEA	11	MAD001408483
9	DIELECTRIC POLYMERS, INC.	HOLYOKE	9	MAD050587641
10	SAFETY-KLEEN SYSTEMS, INC.	SALISBURY	0	MAD060095569
	TOTAL		**7,092**	

* Facilities reporting storage only and their quantity managed are excluded.

Top Ten Wastes Managed*: D008, F001, D007, F002, D009, D002, D001, D006, F006, D040

* Based on the Federal hazardous waste codes most frequently reported, not the quantity managed. See Appendix D of the National Analysis for a description of these waste codes.

Top Three Management Methods

- The top three management methods used in Massachusetts were: energy recovery (3,041 tons), stabilization (2,444 tons), and metals recovery (1,157 tons).

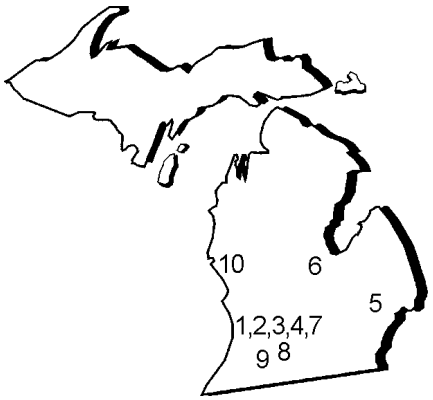
Massachusetts Imports/Exports (As reported by Massachusetts).

- The State that shipped the largest quantity of waste to Massachusetts was New Hampshire (11,666 tons).
- The State to which Massachusetts shipped the largest quantity of waste was New York (555,452 tons).

NOTE: Columns may not sum due to rounding.

Exclusion of wastewater from the 1999 National Biennial Report will make cursory comparisons of the 1999 National Biennial Report to National Biennial Reports prior to 1997 misleading. Refer to Executive Summary (ES-2) for a complete explanation.

MICHIGAN



1999 WASTE GENERATION

823	**Total Number of RCRA Large Quantity Generators (LQGs)**

1,385,375 Tons	**Total Quantity of RCRA Hazardous Waste Generated**

Table 1

Ten Largest RCRA Hazardous Waste Generators and Quantity Generated (tons), 1999

	Site Name	*City*	*Tons of Waste Generated*	*EPA ID*
1	LACKS INDUSTRIES INC	KENTWOOD	255,939	MID981090509
2	PARKE DAVIS DIV OF WARNER LAMBERT	HOLLAND	225,784	MID006013643
3	PRODUCTION PLATED PLASTICS INC)	RICHLAND	160,542	MID047153077
4	PLASTIC PLATE INC	GRAND RAPIDS	124,713	MID006409387
5	PETRO CHEM PROCESSING GRP OF NORTRU	DETROIT	78,129	MID980615298
6	THE DOW CHEMICAL CO	MIDLAND	51,267	MID000724724
7	PLASTIC PLATE INC	KENTWOOD	49,990	MID980998538
8	CONSUMERS ENERGY MARSHALL	MARSHALL	44,262	MIR000027763
9	PHARMACIA & UPJOHN	KALAMAZOO	36,211	MID000820381
10	LOMAC INC	MUSKEGON	34,196	MID006030373
	TOTAL		**1,061,032**	

Top Ten Wastes Generated*: D001, F003, D002, F005, D008, D007, D018, D035, F002, D006

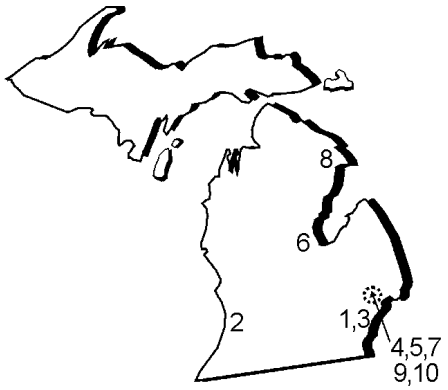
* Based on the Federal hazardous waste codes most frequently reported, not the quantity generated. See Appendix D of the National Analysis for a description of these waste codes.

Table 2

Quantity of Generated Waste (tons) that Was Only a Characteristic Waste, Only a Listed Waste or Both Characteristic and Listed Waste, 1999

Only Characteristic		Only Listed		Both Characteristic & Listed	
Ignitable	21,548	F Waste	103,753		
Corrosive	245,336	K Waste	17,588		
Reactive	92	P Waste	16		
Toxic (D004-17)	16,900	U Waste	1,074		
Toxic (D018-43)	55,653				
Characteristic Mixed	69,382	Listed Mixed	1,933		
TOTAL	**408,912**	**TOTAL**	**124,364**	**TOTAL Char. & Listed**	**852,056**

Exclusion of wastewater from the 1999 National Biennial Report will make cursory comparisons of the 1999 National Biennial Report to National Biennial Reports prior to 1997 misleading. Refer to Executive Summary (ES-2) for a complete explanation.



MICHIGAN

1999 WASTE MANAGEMENT

61	**Total Number of RCRA TSD Facilities**
1,132,279 Tons	**Total Quantity of RCRA Hazardous Waste Managed**

Table 3

Ten Largest RCRA Hazardous Waste Managers and Quantity Managed (tons), 1999

	Site Name	*City*	*Tons of Waste Managed**	*EPA ID*
1	MICHIGAN DISPOSAL WASTE TREATMENT PLANT	BELLEVILLE	427,118	MID000724831
2	PARKE DAVIS DIV OF WARNER LAMBERT	HOLLAND	203,536	MID006013643
3	WAYNE DISPOSAL INC	BELLEVILLE	148,885	MID048090633
4	PETRO CHEM PROCESSING GRP OF NORTRU	DETROIT	120,923	MID980615298
5	USL CITY ENVIRONMENTAL INC	DETROIT	58,549	MID980991566
6	THE DOW CHEMICAL CO	MIDLAND	44,762	MID000724724
7	DYNECOL INC	DETROIT	35,393	MID074259565
8	SYSTECH ENVIRONMENTAL CORP	ALPENA	33,524	MID981200835
9	MICHIGAN RECOVERY SYSTEMS	ROMULUS	24,190	MID060975844
10	GAGE PRODUCTS CO	FERNDALE	19,262	MID005338801
	TOTAL		**1,116,142**	

* Facilities reporting storage only and their quantity managed are excluded.

Top Ten Wastes Managed*: D001, D008, F003, F005, D007, D035, D006, D002, D018, D005

* Based on the Federal hazardous waste codes most frequently reported, not the quantity managed. See Appendix D of the National Analysis for a description of these waste codes.

Top Three Management Methods

- The top three management methods used in Michigan were: stabilization (384,856 tons), landfill (284,999 tons), and deepwell / underground injection (208,153 tons).

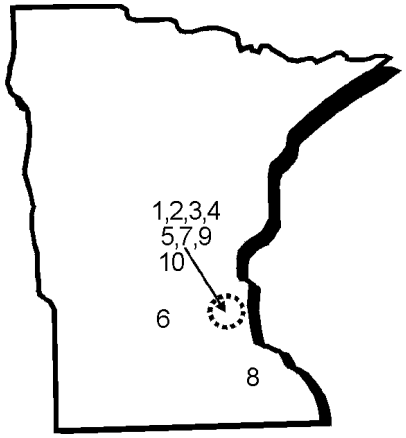
Michigan Imports/Exports (As reported by Michigan).

- The State that shipped the largest quantity of waste to Michigan was Ohio (70,204 tons).
- The State to which Michigan shipped the largest quantity of waste was Illinois (60,685 tons).

NOTE: Columns may not sum due to rounding.

Exclusion of wastewater from the 1999 National Biennial Report will make cursory comparisons of the 1999 National Biennial Report to National Biennial Reports prior to 1997 misleading. Refer to Executive Summary (ES-2) for a complete explanation.

MINNESOTA



1999 WASTE GENERATION

262	**Total Number of RCRA Large Quantity Generators (LQGs)**

56,573 Tons	**Total Quantity of RCRA Hazardous Waste Generated**

Table 1

Ten Largest RCRA Hazardous Waste Generators and Quantity Generated (tons), 1999

	Site Name	*City*	*Tons of Waste Generated*	*EPA ID*
1	NORTH STAR STEEL	ST PAUL	10,084	MND041775008
2	US ARMY TWIN CITIES ARMY AMMO PLANT	ARDEN HILLS	6,598	MN7213820908
3	3M COTTAGE GROVE	COTTAGE GROVE	4,799	MND006172969
4	US FILTER RECOVERY SERVICES INC.	ROSEVILLE	4,710	MND981098478
5	KOCH PETROLEUM GROUP, L.P.	INVER GROVE HEIGHTS	3,903	MND000686071
6	3M TAPE MFG DIV PLANT	HUTCHINSON	2,267	MND006172902
7	JOHNSON MATTHEY ADVANCED CIRCUITS, INC.	ROSEVILLE	1,982	MND001037639
8	SHELDAHL INC.	NORTHFIELD	1,776	MND006147268
9	BUREAU OF ENGRAVING	MINNEAPOLIS	994	MND980700900
10	3M MAIN PLANT	ST. PAUL	947	MND000824029
	TOTAL		**38,060**	

Top Ten Wastes Generated*: D001, D008, F003, F005, D002, D007, D035, F006, D006, D039

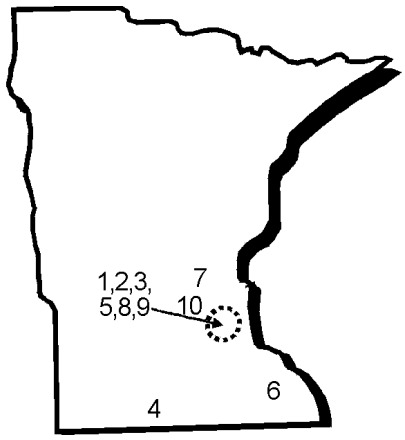
* Based on the Federal hazardous waste codes most frequently reported, not the quantity generated.
See Appendix D of the National Analysis for a description of these waste codes.

Table 2

Quantity of Generated Waste (tons) that Was Only a Characteristic Waste, Only a Listed Waste or Both Characteristic and Listed Waste, 1999

Only Characteristic		Only Listed		Both Characteristic & Listed	
Ignitable	1,533	F Waste	10,058		
Corrosive	2,389	K Waste	11,026		
Reactive	10	P Waste	0		
Toxic (D004-17)	8,798	U Waste	3		
Toxic (D018-43)	252				
Characteristic Mixed	7,696	Listed Mixed	1		
TOTAL	**20,679**	**TOTAL**	**21,090**	**TOTAL Char. & Listed**	**14,748**

Exclusion of wastewater from the 1999 National Biennial Report will make cursory comparisons of the 1999 National Biennial Report to National Biennial Reports prior to 1997 misleading. Refer to Executive Summary (ES-2) for a complete explanation.



MINNESOTA

1999 WASTE MANAGEMENT

40	**Total Number of RCRA TSD Facilities**

29,958 Tons	**Total Quantity of RCRA Hazardous Waste Managed**

Table 3

Ten Largest RCRA Hazardous Waste Managers and Quantity Managed (tons), 1999

	Site Name	*City*	*Tons of Waste Managed**	*EPA ID*
1	3M COTTAGE GROVE	COTTAGE GROVE	18,619	MND006172969
2	US ARMY TWIN CITIES ARMY AMMO PLANT	ARDEN HILLS	6,582	MN7213820908
3	US FILTER RECOVERY SERVICES INC.	ROSEVILLE	3,525	MND981098478
4	MELL'S TRUCKING & SOLVENT, INC.	MANKATO	687	MND132349440
5	SUPERIOR SPECIAL SERVICES, INC.	BLOOMINGTON	490	MN0000903468
6	MAYO FOUNDATION	ROCHESTER	40	MND083467688
7	FEDERAL CARTRIDGE COMPANY	ANOKA	11	MND006156590
8	APPLED COATING TECHNOLOGY	MENDOTA HEIGHTS	2	MND080248750
9	UNIV. OF MINNESOTA - IWMF	MINNEAPOLIS	1	MN0000981415
10	ALLIANT TECHSYSTEMS PROVING GROUNDS	ELK RIVER	0	MND081138604
	TOTAL		**29,958**	

* Facilities reporting storage only and their quantity managed are excluded.

Top Ten Wastes Managed*: D001, D035, F003, F005, D008, D009, D002, D006, D007, F006

* Based on the Federal hazardous waste codes most frequently reported, not the quantity managed. See Appendix D of the National Analysis for a description of these waste codes.

Top Three Management Methods

- The top three management methods used in Minnesota were: incineration (19,317 tons), stabilization (6,582 tons), and metals recovery (3,147 tons).

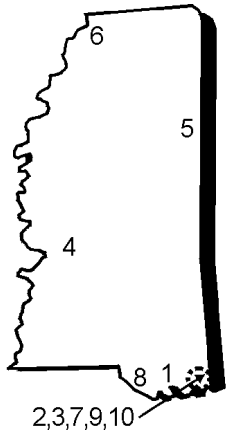
Minnesota Imports/Exports (As reported by Minnesota).

- The State that shipped the largest quantity of waste to Minnesota was Missouri (3,594 tons).
- The State to which Minnesota shipped the largest quantity of waste was Illinois (18,916 tons).

NOTE: Columns may not sum due to rounding.

Exclusion of wastewater from the 1999 National Biennial Report will make cursory comparisons of the 1999 National Biennial Report to National Biennial Reports prior to 1997 misleading. Refer to Executive Summary (ES-2) for a complete explanation.

MISSISSIPPI



1999 WASTE GENERATION

136	**Total Number of RCRA Large Quantity Generators (LQGs)**

1,598,642 Tons	**Total Quantity of RCRA Hazardous Waste Generated**

Table 1

Ten Largest RCRA Hazardous Waste Generators and Quantity Generated (tons), 1999

	Site Name	*City*	*Tons of Waste Generated*	*EPA ID*
1	E.I.DUPONT DE NEMOURS & CO DELISLE PLANT	PASS CHRISTIAN	1,183,885	MSD096046792
2	MORTON INTERNATIONAL	MOSS POINT	390,834	MSD008186587
3	FIRST CHEMICAL CORP.	PASCAGOULA	6,468	MSD033417031
4	BIRMINGHAM SOUTHEAST, LLC	FLOWOOD	5,876	MSD008158685
5	OMNOVA SOLUTIONS	COLUMBUS	1,896	MSD004001244
6	ALCOA EXTRUSIONS	HERNANDO	1,438	MSD097904932
7	CHEVRON PRODUCTS CO-PASCAGOULA REFINER	PASCAGOULA	861	MSD054179403
8	GE PLASTICS	BAY ST. LOUIS	853	MSD000742668
9	INGALLS SHIPBUILDING, INC. WEST BANK	PASCAGOULA	541	MSD050648757
10	MORTON INT - ELECTRONIC MATERIALS	MOSS POINT	487	MSD980601512
	TOTAL		**1,593,140**	

Top Ten Wastes Generated*: D001, F003, F005, D002, D007, D008, D035, D006, D039, D009

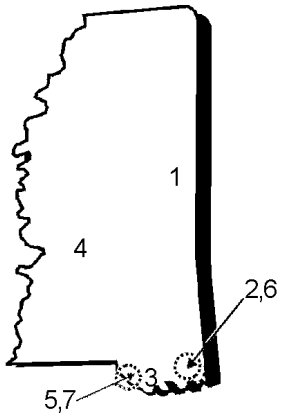
* Based on the Federal hazardous waste codes most frequently reported, not the quantity generated.
See Appendix D of the National Analysis for a description of these waste codes.

Table 2

Quantity of Generated Waste (tons) that Was Only a Characteristic Waste, Only a Listed Waste or Both Characteristic and Listed Waste, 1999

Only Characteristic		Only Listed		Both Characteristic & Listed	
Ignitable	2,572	F Waste	963		
Corrosive	112	K Waste	10,067		
Reactive	1	P Waste	24		
Toxic (D004-17)	1,933	U Waste	40		
Toxic (D018-43)	129				
Characteristic Mixed	1,185,293	Listed Mixed	2		
TOTAL	**1,190,039**	**TOTAL**	**11,096**	**TOTAL Char. & Listed**	**397,504**

Exclusion of wastewater from the 1999 National Biennial Report will make cursory comparisons of the 1999 National Biennial Report to National Biennial Reports prior to 1997 misleading. Refer to Executive Summary (ES-2) for a complete explanation.



MISSISSIPPI

1999 WASTE MANAGEMENT

19	**Total Number of RCRA TSD Facilities**

45,763 Tons	**Total Quantity of RCRA Hazardous Waste Managed**

Table 3

Largest RCRA Hazardous Waste Managers and Quantity Managed (tons), 1999

	Site Name	*City*	*Tons of Waste Managed**	*EPA ID*
1	HOLNAM, INC	ARTESIA	38,175	MSD077655876
2	FIRST CHEMICAL CORP.	PASCAGOULA	4,494	MSD033417031
3	E.I.DUPONT DE NEMOURS & CO DELISLE PLANT	PASS CHRISTIAN	3,080	MSD096046792
4	SAFETY-KLEEN	JACKSON	5	MSD000776765
5	HALTER MARINE GULFPORT	GULFPORT	5	MSD054176052
6	MORTON INTERNATIONAL	MOSS POINT	3	MSD008186587
7	GE PLASTICS	BAY ST. LOUIS	2	MSD000742668
	TOTAL		**45,763**	

* Facilities reporting storage only and their quantity managed are excluded.

Top Ten Wastes Managed*: D001, D018, D008, D007, D005, D009, D006, D039, D010, D011

* Based on the Federal hazardous waste codes most frequently reported, not the quantity managed. See Appendix D of the National Analysis for a description of these waste codes.

Top Three Management Methods

- The top three management methods used in Mississippi were: energy recovery (39,629 tons), deepwell / underground injection (3,082 tons), and incineration (3,039 tons).

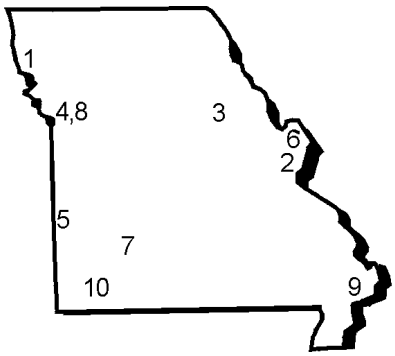
Mississippi Imports/Exports (As reported by Mississippi).

- The State that shipped the largest quantity of waste to Mississippi was Alabama (11,286 tons).
- The State to which Mississippi shipped the largest quantity of waste was Michigan (7,416 tons).

NOTE: Columns may not sum due to rounding.

Exclusion of wastewater from the 1999 National Biennial Report will make cursory comparisons of the 1999 National Biennial Report to National Biennial Reports prior to 1997 misleading. Refer to Executive Summary (ES-2) for a complete explanation.

MISSOURI



1999 WASTE GENERATION

312	**Total Number of RCRA Large Quantity Generators (LQGs)**

158,682 Tons	**Total Quantity of RCRA Hazardous Waste Generated**

Table 1

Ten Largest RCRA Hazardous Waste Generators and Quantity Generated (tons), 1999

	Site Name	*City*	*Tons of Waste Generated*	*EPA ID*
1	EXIDE CORP-CANON HOLLOW PLT	FOREST CITY	30,325	MOD030712822
2	UNIVERSAL GALVANIZING INC	ST PETERS	27,050	MO0000899260
3	TEVA PHARMACEUTICALS USA	MEXICO	25,009	MOD985791995
4	GS TECHNOLOGIES OPERATING CO. INC.	KANSAS CITY	14,959	MO0000031823
5	3M COMPANY	NEVADA,	6,855	MOD057894321
6	MALLINCKRODT CHEMICAL INC	ST LOUIS	5,455	MOD096726484
7	3M CO.	SPRINGFIELD	4,926	MOD043937895
8	BAYER CORP	KANSAS CITY	4,586	MOD056389828
9	NORANDA ALUMINUM, INC.	NEW MADRID	3,180	MOD093750966
10	TALBOT INDUSTRIES INC	NEOSHO	2,317	MOD007140874
	TOTAL		**124,663**	

Top Ten Wastes Generated*: D001, F003, D002, F005, D008, D007, D035, D006, D009, F002

* Based on the Federal hazardous waste codes most frequently reported, not the quantity generated. See Appendix D of the National Analysis for a description of these waste codes.

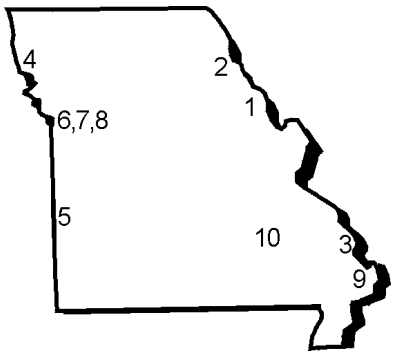
Table 2

Quantity of Generated Waste (tons) that Was Only a Characteristic Waste, Only a Listed Waste or Both Characteristic and Listed Waste, 1999

Only Characteristic		Only Listed		Both Characteristic & Listed	
Ignitable	2,744	F Waste	6,092		
Corrosive	27,730	K Waste	5,690		
Reactive	71	P Waste	16		
Toxic (D004-17)	34,337	U Waste	314		
Toxic (D018-43)	898				
Characteristic Mixed	6,515	Listed Mixed	201		
TOTAL	**72,294**	**TOTAL**	**12,313**	**TOTAL Char. & Listed**	**73,923**

Exclusion of wastewater from the 1999 National Biennial Report will make cursory comparisons of the 1999 National Biennial Report to National Biennial Reports prior to 1997 misleading. Refer to Executive Summary (ES-2) for a complete explanation.

MISSOURI



1999 WASTE MANAGEMENT

51	**Total Number of RCRA TSD Facilities**
270,066 Tons	**Total Quantity of RCRA Hazardous Waste Managed**

Table 3

Ten Largest RCRA Hazardous Waste Managers and Quantity Managed (tons), 1999

	Site Name	*City*	*Tons of Waste Managed**	*EPA ID*
1	HOLNAM INC./SAFETY-KLEEN SYSTEMS, INC.	CLARKSVILLE	100,443	MOD029729688
2	CONTINENTAL CEMENT COMPANY	HANNIBAL	81,306	MOD054018288
3	LONE STAR INDUSTRIES, INC.	CAPE GIRARDEAU	42,558	MOD981127319
4	EXIDE CORP-CANON HOLLOW PLT	FOREST CITY	29,975	MOD030712822
5	3M COMPANY	NEVADA,	4,610	MOD057894321
6	BAYER CORP	KANSAS CITY	3,556	MOD056389828
7	HERITAGE ENVIRONMENTAL SERVICES, LLC	KANSAS CITY	2,054	MOD981505555
8	SOLVENT RECOVERY CORPORATION	KANSAS CITY	1,835	MOD000610766
9	MILLENNIUM ENVIRONMENTAL INC.,-MISSOURI	SCOTT CITY	1,238	MOD980632954
10	DOE RUN RESOURCE RECYCLING DIV	BOSS	1,192	MOD059200089
	TOTAL		**268,767**	

* Facilities reporting storage only and their quantity managed are excluded.

Top Ten Wastes Managed*: D001, F003, F005, D008, D007, D035, D005, D018, F002, D006

* Based on the Federal hazardous waste codes most frequently reported, not the quantity managed. See Appendix D of the National Analysis for a description of these waste codes.

Top Three Management Methods

- The top three management methods used in Missouri were: energy recovery (223,496 tons), metals recovery (28,039 tons), and fuel blending (5,747 tons).

Missouri Imports/Exports (As reported by Missouri).

- The State that shipped the largest quantity of waste to Missouri was Illinois (44,435 tons).
- The State to which Missouri shipped the largest quantity of waste was Ohio (31,804 tons).

NOTE: Columns may not sum due to rounding.

Exclusion of wastewater from the 1999 National Biennial Report will make cursory comparisons of the 1999 National Biennial Report to National Biennial Reports prior to 1997 misleading. Refer to Executive Summary (ES-2) for a complete explanation.

MONTANA

1999 WASTE GENERATION

30	**Total Number of RCRA Large Quantity Generators (LQGs)**

23,986 Tons	**Total Quantity of RCRA Hazardous Waste Generated**

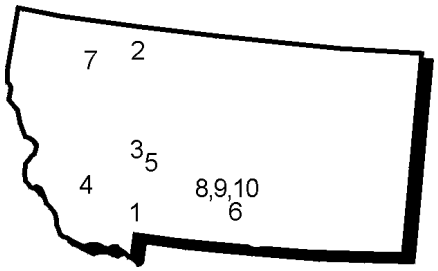


Table 1

Ten Largest RCRA Hazardous Waste Generators and Quantity Generated (tons), 1999

	Site Name	*City*	*Tons of Waste Generated*	*EPA ID*
1	IDAHO POLE CO	BOZEMAN	8,891	MTD006232276
2	COLUMBIA FALLS ALUMINUM COMPANY	COLUMBIA FALLS	4,047	MTD057561763
3	ASARCO INC	EAST HELENA	3,285	MTD006230346
4	MONTANA POLE AND TREATING PLANT	BUTTE	3,260	MTD986073583
5	PACIFIC HIDE & FUR DEPOT HELENA	HELENA	1,423	MTR000007112
6	CENEX HARVEST STATES COOP LAUREL REFINE	LAUREL	722	MTD006238083
7	BN KALISPELL POLE & TIMBER	KALISPELL	657	MTD006237234
8	CONOCO REFINERY BILLINGS	BILLINGS	526	MTD006229405
9	TRANSBAS INC	BILLINGS	483	MTD079711198
10	EXXON BILLINGS REFINERY	BILLINGS	411	MTD010380574
	TOTAL		**23,704**	

Top Ten Wastes Generated*: D001, D007, D002, D008, F005, F003, D006, D009, F002, D003

* Based on the Federal hazardous waste codes most frequently reported, not the quantity generated. See Appendix D of the National Analysis for a description of these waste codes.

Table 2

Quantity of Generated Waste (tons) that Was Only a Characteristic Waste, Only a Listed Waste or Both Characteristic and Listed Waste, 1999

Only Characteristic		Only Listed		Both Characteristic & Listed	
Ignitable	19	F Waste	13,251		
Corrosive	1	K Waste	4,468		
Reactive	0	P Waste	0		
Toxic (D004-17)	4,812	U Waste	2		
Toxic (D018-43)	55				
Characteristic Mixed	29	Listed Mixed	470		
TOTAL	**4,916**	**TOTAL**	**18,191**	**TOTAL Char. & Listed**	**879**

Exclusion of wastewater from the 1999 National Biennial Report will make cursory comparisons of the 1999 National Biennial Report to National Biennial Reports prior to 1997 misleading. Refer to Executive Summary (ES-2) for a complete explanation.

MONTANA

1999 WASTE MANAGEMENT

0	Total Number of RCRA TSD Facilities
0 Tons	Total Quantity of RCRA Hazardous Waste Managed

Top Management Method

- There were no facilities in Montana that reported managing (treating or disposing) RCRA hazardous waste.

Montana Imports/Exports (As reported by Montana).

- Montana did not receive RCRA hazardous wastes from any other State.
- The State to which Montana shipped the largest quantity of waste was Oregon (4,477 tons).

NOTE: Columns may not sum due to rounding.

Exclusion of wastewater from the 1999 National Biennial Report will make cursory comparisons of the 1999 National Biennial Report to National Biennial Reports prior to 1997 misleading. Refer to Executive Summary (ES-2) for a complete explanation.

NAVAJO NATION

1999 WASTE GENERATION

6	**Total Number of RCRA Large Quantity Generators (LQGs)**

89 Tons	**Total Quantity of RCRA Hazardous Waste Generated**

Table 1

Largest RCRA Hazardous Waste Generators and Quantity Generated (tons), 1999

	Site Name	*City*	*Tons of Waste Generated*	*EPA ID*
1	PEABODY WESTERN COAL CO, BLACK MESA MIN	KAYENTA	79	NND104150024
2	USBIA BRANCH OF ROADS - CHEU	FARMINGTON	3	NN2140909100
3	CROWNPOINT HEADQUARTERS	CROWNPOINT	3	NNR000000539
4	BHP MINERALS, NAVAJO COAL CO NAVAJO MINE	FRUITLAND	3	NND042993725
5	SAGE MEMORIAL HOSPITAL	GANADO	2	NNR000034710
6	WINGATE HIGH SCHOOL	FT WINGATE	0	NNR000473454
	TOTAL		**89**	

Top Ten Wastes Generated*: D001, F003, D008, D040, D002, D035, D039, F005, D005, D007

* Based on the Federal hazardous waste codes most frequently reported, not the quantity generated.
See Appendix D of the National Analysis for a description of these waste codes.

Table 2

Quantity of Generated Waste (tons) that Was Only a Characteristic Waste, Only a Listed Waste or Both Characteristic and Listed Waste, 1999

Only Characteristic		Only Listed		Both Characteristic & Listed	
Ignitable	0	F Waste	1		
Corrosive	0	K Waste	0		
Reactive	0	P Waste	0		
Toxic (D004-17)	1	U Waste	0		
Toxic (D018-43)	1				
Characteristic Mixed	55	Listed Mixed	0		
TOTAL	**58**	**TOTAL**	**1**	**TOTAL Char. & Listed**	**30**

Exclusion of wastewater from the 1999 National Biennial Report will make cursory comparisons of the 1999 National Biennial Report to National Biennial Reports prior to 1997 misleading. Refer to Executive Summary (ES-2) for a complete explanation.

NAVAJO NATION

1999 WASTE MANAGEMENT

0	Total Number of RCRA TSD Facilities

0 Tons	Total Quantity of RCRA Hazardous Waste Managed

Top Management Method

- There were no facilities in Navajo Nation that reported managing (treating or disposing) RCRA hazardous waste.

Navajo Nation Imports/Exports (As reported by Navajo Nation).

- Navajo Nation did not receive RCRA hazardous wastes from any other State.
- The State to which Navajo Nation shipped the largest quantity of waste was Colorado (54 tons).

NOTE: Columns may not sum due to rounding.

NEBRASKA

1999 WASTE GENERATION

85	**Total Number of RCRA Large Quantity Generators (LQGs)**

43,224 Tons	**Total Quantity of RCRA Hazardous Waste Generated**

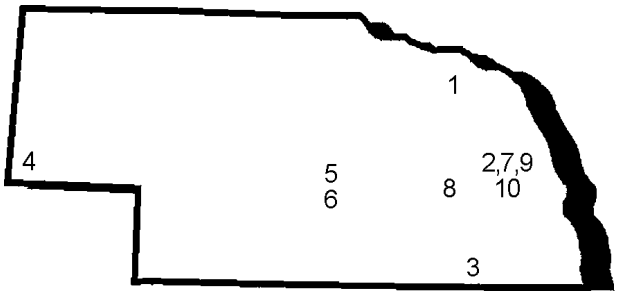


Table 1

Ten Largest RCRA Hazardous Waste Generators and Quantity Generated (tons), 1999

	Site Name	*City*	*Tons of Waste Generated*	*EPA ID*
1	NUCOR STEEL NEBRASKA	NORFOLK	22,372	NED087069050
2	ASARCO, INC.	OMAHA	7,558	NED007257413
3	TETRA MICRONUTRIENTS	FAIRBURY	4,235	NED000610550
4	CLEAN HARBORS ENV SVC INC	KIMBALL	4,092	NED981723513
5	3-D INVESTMENT INC	ALDA	945	NED986368728
6	DANA CORP PERFECT CRL DIV	HASTINGS	382	NED091998567
7	LOZIER CORPORATION	OMAHA	339	NED000610691
8	APPLETON ELECTRIC LLC	COLUMBUS	308	NED099564684
9	LOZIER CORPORATION	OMAHA	257	NED000610709
10	KAWASAKI MOTORS MFG CORP USA	LINCOLN	231	NED068652981
	TOTAL		**40,718**	

Top Ten Wastes Generated*: D001, D008, F003, D007, F005, D039, D006, D035, D002, D018

* Based on the Federal hazardous waste codes most frequently reported, not the quantity generated.
See Appendix D of the National Analysis for a description of these waste codes.

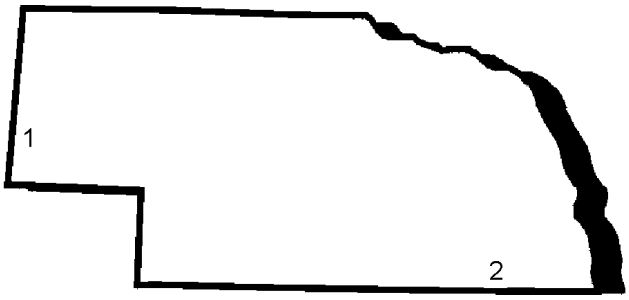
Table 2

Quantity of Generated Waste (tons) that Was Only a Characteristic Waste, Only a Listed Waste or Both Characteristic and Listed Waste, 1999

Only Characteristic		Only Listed		Both Characteristic & Listed	
Ignitable	64	F Waste	713		
Corrosive	27	K Waste	22,369		
Reactive	1	P Waste	56		
Toxic (D004-17)	13,625	U Waste	24		
Toxic (D018-43)	50				
Characteristic Mixed	215	Listed Mixed	0		
TOTAL	**13,982**	**TOTAL**	**23,162**	**TOTAL Char. & Listed**	**6,078**

Exclusion of wastewater from the 1999 National Biennial Report will make cursory comparisons of the 1999 National Biennial Report to National Biennial Reports prior to 1997 misleading. Refer to Executive Summary (ES-2) for a complete explanation.

NEBRASKA



1999 WASTE MANAGEMENT

6	**Total Number of RCRA TSD Facilities**
27,991 Tons	**Total Quantity of RCRA Hazardous Waste Managed**

Table 3

Largest RCRA Hazardous Waste Managers and Quantity Managed (tons), 1999

	Site Name	*City*	*Tons of Waste Managed**	*EPA ID*
1	CLEAN HARBORS ENV SVC INC	KIMBALL	27,988	NED981723513
2	TETRA MICRONUTRIENTS	FAIRBURY	3	NED000610550
	TOTAL		**27,991**	

* Facilities reporting storage only and their quantity managed are excluded.

Top Ten Wastes Managed*: D001, F003, D008, D007, F005, F002, D018, D002, D006, D005

* Based on the Federal hazardous waste codes most frequently reported, not the quantity managed. See Appendix D of the National Analysis for a description of these waste codes.

Top Management Methods

- The top management methods used in Nebraska were: incineration (27,988 tons) and metals recovery (3 tons).

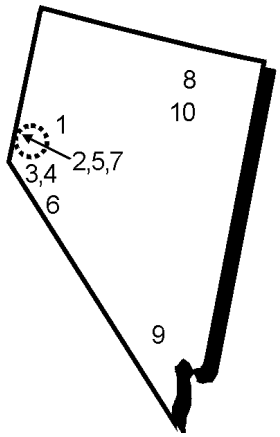
Nebraska Imports/Exports (As reported by Nebraska).

- The State that shipped the largest quantity of waste to Nebraska was Wisconsin (5,644 tons).
- The State to which Nebraska shipped the largest quantity of waste was Ohio (8,840 tons).

NOTE: Columns may not sum due to rounding.

Exclusion of wastewater from the 1999 National Biennial Report will make cursory comparisons of the 1999 National Biennial Report to National Biennial Reports prior to 1997 misleading. Refer to Executive Summary (ES-2) for a complete explanation.

NEVADA



1999 WASTE GENERATION

102	**Total Number of RCRA Large Quantity Generators (LQGs)**

11,473 Tons	**Total Quantity of RCRA Hazardous Waste Generated**

Table 1

Ten Largest RCRA Hazardous Waste Generators and Quantity Generated (tons), 1999

	Site Name	*City*	*Tons of Waste Generated*	*EPA ID*
1	21ST CENTURY EMI	FERNLEY	3,592	NVD980895338
2	RR DONNELLEY & SONS CO.	RENO	2,167	NVD981641434
3	CHROMALLY NEVADA ARROWHEAD	CARSON CITY	1,495	NVD986774651
4	CHROMALLOY NEVADA INDUSTRIAL PARK	CARSON CITY	653	NVD982443947
5	BARRINGER LABORATORIES, INC.	RENO	456	NVD986769560
6	HAWTHORNE ARMY DEPOT	HAWTHORNE	413	NV1210090006
7	SHERWIN WILLIAMS CO	RENO	371	NVR000038737
8	BARRICK GOLDSTRIKE MINES INC.	ELKO	175	NVD000626531
9	NELLIS AFB	NELLIS AFB	112	NV7570024110
10	NEWMONT GOLD QUARRY MINE	CARLIN	106	NVD000627034
	TOTAL		**9,540**	

Top Ten Wastes Generated*: D001, D008, D007, D006, D009, D011, F003, D002, D039, F005

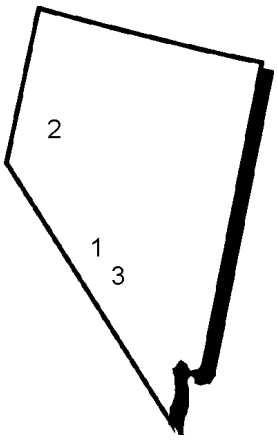
* Based on the Federal hazardous waste codes most frequently reported, not the quantity generated.
See Appendix D of the National Analysis for a description of these waste codes.

Table 2

Quantity of Generated Waste (tons) that Was Only a Characteristic Waste, Only a Listed Waste or Both Characteristic and Listed Waste, 1999

Only Characteristic		Only Listed		Both Characteristic & Listed	
Ignitable	445	F Waste	828		
Corrosive	18	K Waste	45		
Reactive	15	P Waste	0		
Toxic (D004-17)	2,218	U Waste	14		
Toxic (D018-43)	121				
Characteristic Mixed	5,005	Listed Mixed	0		
TOTAL	**7,821**	**TOTAL**	**887**	**TOTAL Char. & Listed**	**2,760**

Exclusion of wastewater from the 1999 National Biennial Report will make cursory comparisons of the 1999 National Biennial Report to National Biennial Reports prior to 1997 misleading. Refer to Executive Summary (ES-2) for a complete explanation.



NEVADA

1999 WASTE MANAGEMENT

6	**Total Number of RCRA TSD Facilities**

48,283 Tons	**Total Quantity of RCRA Hazardous Waste Managed**

Table 3

Largest RCRA Hazardous Waste Managers and Quantity Managed (tons), 1999

	Site Name	*City*	*Tons of Waste Managed**	*EPA ID*
1	US ECOLOGY INC. BEATTY, NV	BEATTY	31,772	NVT330010000
2	21ST CENTURY EMI	FERNLEY	16,445	NVD980895338
3	BECHTEL NV FOR USDOE NTS	MERCURY	66	NV3890090001
	TOTAL		**48,283**	

* Facilities reporting storage only and their quantity managed are excluded.

Top Ten Wastes Managed*: D007, D008, D002, F006, D006, D011, D004, D005, D010, F007

* Based on the Federal hazardous waste codes most frequently reported, not the quantity managed. See Appendix D of the National Analysis for a description of these waste codes.

Top Three Management Methods

- The top three management methods used in Nevada were: stabilization (25,358 tons), metals recovery (12,886 tons), and landfill (9,956 tons).

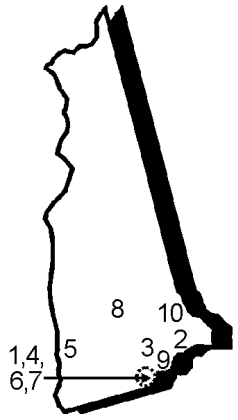
Nevada Imports/Exports (As reported by Nevada).

- The State that shipped the largest quantity of waste to Nevada was California (26,643 tons).
- The State to which Nevada shipped the largest quantity of waste was Illinois (1,142 tons).

NOTE: Columns may not sum due to rounding.

Exclusion of wastewater from the 1999 National Biennial Report will make cursory comparisons of the 1999 National Biennial Report to National Biennial Reports prior to 1997 misleading. Refer to Executive Summary (ES-2) for a complete explanation.

NEW HAMPSHIRE



1999 WASTE GENERATION

168	**Total Number of RCRA Large Quantity Generators (LQGs)**

11,082 Tons	**Total Quantity of RCRA Hazardous Waste Generated**

Table 1

Ten Largest RCRA Hazardous Waste Generators and Quantity Generated (tons), 1999

	Site Name	*City*	*Tons of Waste Generated*	*EPA ID*
1	HAMPSHIRE CHEMICAL CORPORATION	NASHUA	3,296	NHD048724173
2	OSRAM SYLVANIA INC	EXETER	1,836	NHD003941655
3	HADCO CORPORATION	DERRY	496	NHD046312559
4	TERADYNE CIRCUITS OPERATION	NASHUA	473	NHD073974651
5	STURM RUGER & CO INC	NEWPORT	463	NHD018953794
6	SANMINA CORPORATION	NASHUA	339	NHD040245607
7	UPACO ADHESIVE INC	NASHUA	279	NHD001038348
8	WEBSTER VALVE INC	FRANKLIN	216	NHD058537960
9	PIERCE&STEVENS C&A BUSINESS GR	SEABROOK	181	NHD048722466
10	GENERAL ELECTRIC COMPANY	SOMERSWORTH	157	NHD001091073
	TOTAL		**7,737**	

Top Ten Wastes Generated*: D001, D002, D008, F003, D007, F006, D009, F005, D006, F002

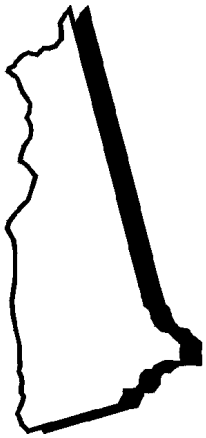
* Based on the Federal hazardous waste codes most frequently reported, not the quantity generated. See Appendix D of the National Analysis for a description of these waste codes.

Table 2

Quantity of Generated Waste (tons) that Was Only a Characteristic Waste, Only a Listed Waste or Both Characteristic and Listed Waste, 1999

Only Characteristic		Only Listed		Both Characteristic & Listed	
Ignitable	1,356	F Waste	3,414		
Corrosive	3,946	K Waste	0		
Reactive	9	P Waste	0		
Toxic (D004-17)	2,137	U Waste	17		
Toxic (D018-43)	203				
Characteristic Mixed	0	Listed Mixed	0		
TOTAL	**7,651**	**TOTAL**	**3,431**	**TOTAL Char. & Listed**	**0**

Exclusion of wastewater from the 1999 National Biennial Report will make cursory comparisons of the 1999 National Biennial Report to National Biennial Reports prior to 1997 misleading. Refer to Executive Summary (ES-2) for a complete explanation.



NEW HAMPSHIRE

1999 WASTE MANAGEMENT

3	Total Number of RCRA TSD Facilities
0 Tons	Total Quantity of RCRA Hazardous Waste Managed

Top Management Method

- There were no facilities* in New Hampshire that reported managing (treating or disposing) RCRA hazardous waste.

  * Because quantity managed only by storage was excluded, facilities managing by storage only were not listed.

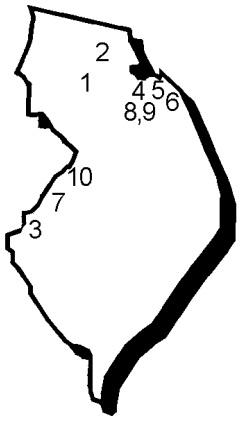
New Hampshire Imports/Exports (As reported by New Hampshire).

- New Hampshire did not receive RCRA hazardous wastes from any other State.
- The State to which New Hampshire shipped the largest quantity of waste was Massachusetts (4,602 tons).

NOTE: Columns may not sum due to rounding.

Exclusion of wastewater from the 1999 National Biennial Report will make cursory comparisons of the 1999 National Biennial Report to National Biennial Reports prior to 1997 misleading. Refer to Executive Summary (ES-2) for a complete explanation.

NEW JERSEY



1999 WASTE GENERATION

1,071	**Total Number of RCRA Large Quantity Generators (LQGs)**

650,534 Tons	**Total Quantity of RCRA Hazardous Waste Generated**

Table 1

Ten Largest RCRA Hazardous Waste Generators and Quantity Generated (tons), 1999

	Site Name	*City*	*Tons of Waste Generated*	*EPA ID*
1	MARISOL INCORPORATED	MIDDLESEX	329,683	NJD002454544
2	HONEYWELL INC	TETERBORO	55,349	NJD078714433
3	E I DU PONT DE NEMOURS & CO INC CHAMBER	DEEPWATER	51,094	NJD002385730
4	SAFETY-KLEEN SYSTEMS (LINDEN)	LINDEN	20,304	NJD002182897
5	MERCK & CO INC	RAHWAY	15,925	NJD001317064
6	CO-STEEL RARITAN	PERTH AMBOY	14,070	NJD085644110
7	SAFETY-KLEEN (BRIDGEPORT), INC.	BRIDGEPORT	11,739	NJD053288239
8	CO-STEEL SAYREVILLE	SAYREVILLE	11,531	NJD078873270
9	MADISON INDUSTRIES INC	OLD BRIDGE	6,999	NJD002460855
10	SMITHKLINE BEECHAM PHARMACEUTICALS	PISCATAWAY	6,737	NJD042896738
	TOTAL		**523,431**	

Top Ten Wastes Generated*: LABP, D001, F003, D002, F005, D009, D008, F002, D007, D003

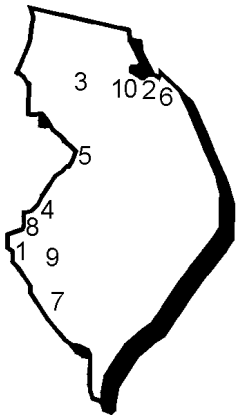
* Based on the Federal hazardous waste codes most frequently reported, not the quantity generated. See Appendix D of the National Analysis for a description of these waste codes.

Table 2

Quantity of Generated Waste (tons) that Was Only a Characteristic Waste, Only a Listed Waste or Both Characteristic and Listed Waste, 1999

Only Characteristic		Only Listed		Both Characteristic & Listed	
Ignitable	12,570	F Waste	134,417		
Corrosive	717	K Waste	12,169		
Reactive	289	P Waste	46		
Toxic (D004-17)	49,899	U Waste	335		
Toxic (D018-43)	6,771				
Characteristic Mixed	12,234	Listed Mixed	8,020		
TOTAL	**82,480**	**TOTAL**	**154,987**	**TOTAL Char. & Listed**	**412,861**

Exclusion of wastewater from the 1999 National Biennial Report will make cursory comparisons of the 1999 National Biennial Report to National Biennial Reports prior to 1997 misleading. Refer to Executive Summary (ES-2) for a complete explanation.



NEW JERSEY

1999 WASTE MANAGEMENT

44	**Total Number of RCRA TSD Facilities**

192,698 Tons	**Total Quantity of RCRA Hazardous Waste Managed**

Table 3

Ten Largest RCRA Hazardous Waste Managers and Quantity Managed (tons), 1999

	Site Name	*City*	*Tons of Waste Managed**	*EPA ID*
1	E I DU PONT DE NEMOURS & CO INC CHAMBER	DEEPWATER	45,670	NJD002385730
2	SAFETY-KLEEN SYSTEMS (LINDEN)	LINDEN	43,239	NJD002182897
3	MARISOL INCORPORATED	MIDDLESEX	35,168	NJD002454544
4	SAFETY-KLEEN (BRIDGEPORT), INC.	BRIDGEPORT	33,183	NJD053288239
5	S AND W WASTE, INC.	SOUTH KEARNY	26,441	NJD991291105
6	MERCK & CO INC	RAHWAY	3,293	NJD001317064
7	CASIE ECOLOGY OIL SALVAGE INC T/A CASIE	VINELAND	2,088	NJD045995693
8	AUSIMONT USA INC	THOROFARE	1,898	NJD980753875
9	REPUBLIC ENVL RECYCLING INC	CLAYTON	1,623	NJD981133150
10	HERCULES INCORPORATED	PARLIN	94	NJD002521961
	TOTAL		**192,698**	

* Facilities reporting storage only and their quantity managed are excluded.

Top Ten Wastes Managed*: D001, F003, F005, D008, D035, D018, F002, D002, F001, D039

* Based on the Federal hazardous waste codes most frequently reported, not the quantity managed. See Appendix D of the National Analysis for a description of these waste codes.

Top Three Management Methods

- The top three management methods used in New Jersey were: fuel blending (77,608 tons), landfill (45,622 tons), and incineration (35,178 tons).

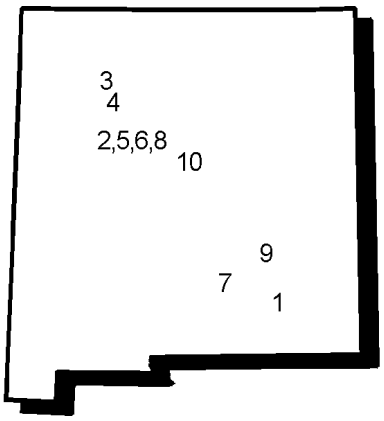
New Jersey Imports/Exports (As reported by New Jersey).

- The State that shipped the largest quantity of waste to New Jersey was New York (27,915 tons).
- The State to which New Jersey shipped the largest quantity of waste was Pennsylvania (257,834 tons).

NOTE: Columns may not sum due to rounding.

Exclusion of wastewater from the 1999 National Biennial Report will make cursory comparisons of the 1999 National Biennial Report to National Biennial Reports prior to 1997 misleading. Refer to Executive Summary (ES-2) for a complete explanation.

NEW MEXICO



1999 WASTE GENERATION

41	**Total Number of RCRA Large Quantity Generators (LQGs)**

238,558 Tons	**Total Quantity of RCRA Hazardous Waste Generated**

Table 1

Ten Largest RCRA Hazardous Waste Generators and Quantity Generated (tons), 1999

	Site Name	*City*	*Tons of Waste Generated*	*EPA ID*
1	NAVAJO REFINING CO	ARTESIA	195,143	NMD048918817
2	SANDIA NATIONAL LABORATORIES FOR THE U.S	ALBUQUERQUE	36,761	NM5890110518
3	U.S. DOE LOS ALAMOS NATIONAL LABORATORY	LOS ALAMOS	4,509	NM0890010515
4	INTEL CORPORATION	RIO RANCHO	960	NMD000609339
5	CTS WIRELESS COMPONENTS, INC.	ALBUQUERUQE	244	NMD980744551
6	PHILIPS SEMICONDUCTORS	ALBUQUERQUE	165	NMD000709782
7	HOLLOMAN AFB	HOLLOMAN AFB	158	NM6572124422
8	GE AIRCRAFT ENGINES	ALBUQUERQUE	73	NMD052684578
9	NOVABUS INCORPORATED	ROSWELL	64	NM0001001320
10	KIRTLAND AIR FORCE BASE	KIRTLAND AFB	62	NM9570024423
	TOTAL		**238,139**	

Top Ten Wastes Generated*: D001, D008, LABP, D009, D007, D002, F003, F005, D006, F002

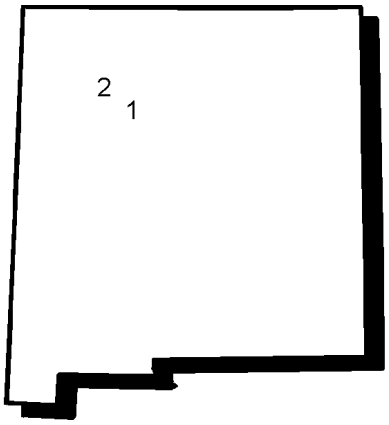
* Based on the Federal hazardous waste codes most frequently reported, not the quantity generated.
See Appendix D of the National Analysis for a description of these waste codes.

Table 2

Quantity of Generated Waste (tons) that Was Only a Characteristic Waste, Only a Listed Waste or Both Characteristic and Listed Waste, 1999

Only Characteristic		Only Listed		Both Characteristic & Listed	
Ignitable	133	F Waste	36,769		
Corrosive	2	K Waste	356		
Reactive	1	P Waste	0		
Toxic (D004-17)	5,003	U Waste	3		
Toxic (D018-43)	194,723				
Characteristic Mixed	146	Listed Mixed	43		
TOTAL	**200,008**	**TOTAL**	**37,171**	**TOTAL Char. & Listed**	**1,320**

Exclusion of wastewater from the 1999 National Biennial Report will make cursory comparisons of the 1999 National Biennial Report to National Biennial Reports prior to 1997 misleading. Refer to Executive Summary (ES-2) for a complete explanation.



NEW MEXICO

1999 WASTE MANAGEMENT

7	**Total Number of RCRA TSD Facilities**

2 Tons	**Total Quantity of RCRA Hazardous Waste Managed**

Table 3

Largest RCRA Hazardous Waste Managers and Quantity Managed (tons), 1999

	Site Name	*City*	*Tons of Waste Managed**	*EPA ID*
1	SANDIA NATIONAL LABORATORIES FOR THE U.S	ALBUQUERQUE	1	NM5890110518
2	U.S. DOE LOS ALAMOS NATIONAL LABORATORY	LOS ALAMOS	1	NM0890010515
	TOTAL		**2**	

* Facilities reporting storage only and their quantity managed are excluded.

Top Wastes Managed*: D006, D007, D002, D008, F002, F003, F005

* Based on the Federal hazardous waste codes most frequently reported, not the quantity managed. See Appendix D of the National Analysis for a description of these waste codes.

Top Management Methods

- The top management methods used in New Mexico were: incineration (1 tons) and stabilization (1 tons).

New Mexico Imports/Exports (As reported by New Mexico).

- The State that shipped the largest quantity of waste to New Mexico was Utah (80 tons).
- The State to which New Mexico shipped the largest quantity of waste was Texas (5,189 tons).

NOTE: Columns may not sum due to rounding.

Exclusion of wastewater from the 1999 National Biennial Report will make cursory comparisons of the 1999 National Biennial Report to National Biennial Reports prior to 1997 misleading. Refer to Executive Summary (ES-2) for a complete explanation.

NEW YORK

1999 WASTE GENERATION

2,647	**Total Number of RCRA Large Quantity Generators (LQGs)**

548,928 Tons	**Total Quantity of RCRA Hazardous Waste Generated**

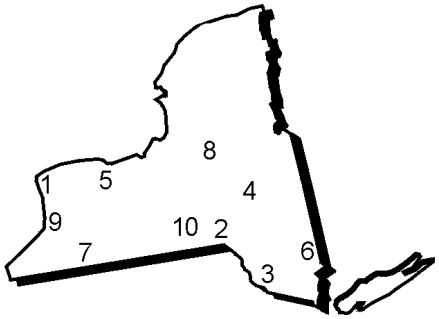


Table 1

Ten Largest RCRA Hazardous Waste Generators and Quantity Generated (tons), 1999

	Site Name	*City*	*Tons of Waste Generated*	*EPA ID*
1	CWM CHEMICAL SERVICES, L.L.C.	MODEL CITY	169,746	NYD049836679
2	GCL TILE & TREATMENT	SIDNEY	71,565	NYD981566417
3	REVERE SMELTING & REFINING CORPORATION	MIDDLETOWN	52,895	NYD030485288
4	GENERAL ELECTRIC CO.	WATERFORD	44,163	NYD002080034
5	EASTMAN KODAK	ROCHESTER	28,351	NYD980592497
6	USEPA-CONSOLIDATED IRON SITE	NEWBURGH	13,564	NY0002455756
7	NYSDEC/VANDER HORST SITE	OLEAN	9,852	NYD980780928
8	AFBCA/DA-GRIFFISS	ROME	9,202	NY4571924451
9	NATIONAL FUEL GAS/SCAJAQUADA CREEK	BUFFALO	8,162	NYD986930758
10	BUCKBEE-MEARS CORTLAND	CORTLAND	7,647	NYD010783967
	TOTAL		**415,147**	

Top Ten Wastes Generated*: D001, D008, F003, D002, F005, D009, D007, F002, D035, D018

* Based on the Federal hazardous waste codes most frequently reported, not the quantity generated. See Appendix D of the National Analysis for a description of these waste codes.

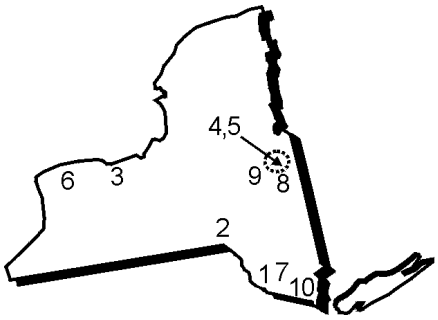
Table 2

Quantity of Generated Waste (tons) that Was Only a Characteristic Waste, Only a Listed Waste or Both Characteristic and Listed Waste, 1999

Only Characteristic		Only Listed		Both Characteristic & Listed	
Ignitable	6,962	F Waste	55,226		
Corrosive	3,396	K Waste	19,983		
Reactive	282	P Waste	39		
Toxic (D004-17)	127,410	U Waste	72,355		
Toxic (D018-43)	15,401				
Characteristic Mixed	176,424	Listed Mixed	4,310		
TOTAL	**329,875**	**TOTAL**	**151,913**	**TOTAL Char. & Listed**	**67,128**

Exclusion of wastewater from the 1999 National Biennial Report will make cursory comparisons of the 1999 National Biennial Report to National Biennial Reports prior to 1997 misleading. Refer to Executive Summary (ES-2) for a complete explanation.

NEW YORK



1999 WASTE MANAGEMENT

59	**Total Number of RCRA TSD Facilities**
316,470 Tons	**Total Quantity of RCRA Hazardous Waste Managed**

Table 3

Ten Largest RCRA Hazardous Waste Managers and Quantity Managed (tons), 1999

	Site Name	*City*	*Tons of Waste Managed**	*EPA ID*
1	REVERE SMELTING & REFINING CORPORATION	MIDDLETOWN	167,285	NYD030485288
2	GCL TILE & TREATMENT	SIDNEY	71,565	NYD981566417
3	EASTMAN KODAK	ROCHESTER	24,671	NYD980592497
4	NORLITE CORPORATION	COHOES	21,978	NYD080469935
5	GENERAL ELECTRIC CO.	WATERFORD	14,729	NYD002080034
6	OCCIDENTAL CHEMICAL CORPORATION	NIAGARA FALLS	4,610	NYD000824482
7	NEPERA INC	HARRIMAN	3,123	NYD002014595
8	GENERAL ELECTRIC, CO.	SELKIRK	1,735	NYD066832023
9	SCHENECTADY INTERNATIONAL, INC.	ROTTERDAM JUNCTION	1,724	NYD002070118
10	LEDERLE LABORATORIES	PEARL RIVER	1,551	NYD054065909
	TOTAL		**312,972**	

* Facilities reporting storage only and their quantity managed are excluded.

Top Ten Wastes Managed*: D001, D003, F003, F005, D035, F002, D002, D018, D008, D007

* Based on the Federal hazardous waste codes most frequently reported, not the quantity managed. See Appendix D of the National Analysis for a description of these waste codes.

Top Three Management Methods

- The top three management methods used in New York were: metals recovery (120,942 tons), incineration (116,230 tons), and stabilization (46,908 tons).

New York Imports/Exports (As reported by New York).

- The State that shipped the largest quantity of waste to New York was Connecticut (12,422 tons).
- The State to which New York shipped the largest quantity of waste was Foreign Country (57,025 tons).

NOTE: Columns may not sum due to rounding.

Exclusion of wastewater from the 1999 National Biennial Report will make cursory comparisons of the 1999 National Biennial Report to National Biennial Reports prior to 1997 misleading. Refer to Executive Summary (ES-2) for a complete explanation.

NORTH CAROLINA

1999 WASTE GENERATION

508	**Total Number of RCRA Large Quantity Generators (LQGs)**

74,757 Tons	**Total Quantity of RCRA Hazardous Waste Generated**

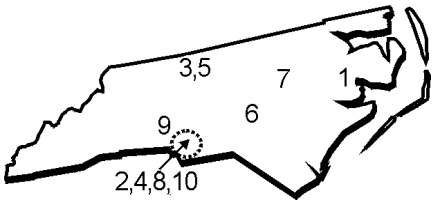


Table 1

Ten Largest RCRA Hazardous Waste Generators and Quantity Generated (tons), 1999

	Site Name	*City*	*Tons of Waste Generated*	*EPA ID*
1	CATALYTICA PHARMACEUTICALS	GREENVILLE	7,996	NCD047373766
2	AMERISTEEL CORP	CHARLOTTE	4,344	NCD093340487
3	ECOFLO INC	GREENSBORO	3,554	NCD980842132
4	CLARIANT CORPORATION - MOUNT HOLLY EAST	CHARLOTTE	3,479	NCD001810365
5	OMNOVA SOLUTIONS INC	GREENSBORO	3,319	NCD096158696
6	XVIII AIRBORNE CORPS AND FORT BRAGG	FORT BRAGG	2,909	NC8210020121
7	MALLINCKRODT INC.	RALEIGH	2,606	NCD042091975
8	HERITAGE ENVIRONMENTAL SERVICES, LLC	CHARLOTTE	2,378	NCD121700777
9	FREIGHTLINER TRUCKS - CLEVELAND TMP	CLEVELAND	2,069	NCD018652339
10	SAFETY-KLEEN SYSTEMS	CHARLOTTE	1,751	NCD079060059
	TOTAL		**34,405**	

Top Ten Wastes Generated*: D001, F003, D002, F005, D007, D008, D035, D009, F002, D006

* Based on the Federal hazardous waste codes most frequently reported, not the quantity generated. See Appendix D of the National Analysis for a description of these waste codes.

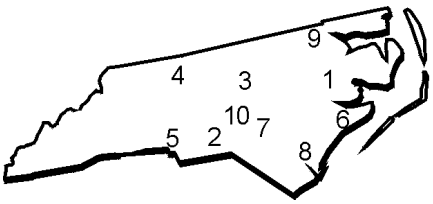
Table 2

Quantity of Generated Waste (tons) that Was Only a Characteristic Waste, Only a Listed Waste or Both Characteristic and Listed Waste, 1999

Only Characteristic		Only Listed		Both Characteristic & Listed	
Ignitable	11,367	F Waste	9,068		
Corrosive	1,475	K Waste	7,670		
Reactive	107	P Waste	4		
Toxic (D004-17)	4,511	U Waste	547		
Toxic (D018-43)	366				
Characteristic Mixed	8,775	Listed Mixed	92		
TOTAL	**26,600**	**TOTAL**	**17,381**	**TOTAL Char. & Listed**	**30,720**

Exclusion of wastewater from the 1999 National Biennial Report will make cursory comparisons of the 1999 National Biennial Report to National Biennial Reports prior to 1997 misleading. Refer to Executive Summary (ES-2) for a complete explanation.

NORTH CAROLINA



1999 WASTE MANAGEMENT

75	**Total Number of RCRA TSD Facilities**
20,405 Tons	**Total Quantity of RCRA Hazardous Waste Managed**

Table 3

Ten Largest RCRA Hazardous Waste Managers and Quantity Managed (tons), 1999

	Site Name	*City*	*Tons of Waste Managed**	*EPA ID*
1	CATALYTICA PHARMACEUTICALS	GREENVILLE	7,834	NCD047373766
2	SOLITE CORPORATION, CAROLINA SOLITE DIV.	NORWOOD	6,503	NCD003152642
3	MALLINCKRODT INC.	RALEIGH	2,306	NCD042091975
4	ECOFLO INC	GREENSBORO	2,192	NCD980842132
5	HERITAGE ENVIRONMENTAL SERVICES, LLC	CHARLOTTE	757	NCD121700777
6	US MCAS CHERRY POINT	CHERRY POINT	362	NC1170027261
7	CROFT METALS INC	LUMBER BRIDGE	140	NCD067200949
8	INTERNATIONAL PAPER	WILMINGTON	127	NCD072022726
9	QUALITY FOREST PRODUCTS INC	ENFIELD	99	NCD084173830
10	GLAXO WELLCOME SOUTH CAMPUS	RESEARCH TRIANGLE PAR	32	NCD052547635
	TOTAL		**20,352**	

* Facilities reporting storage only and their quantity managed are excluded.

Top Ten Wastes Managed*: D001, F003, F005, F002, D035, D007, D002, D008, D022, D006

* Based on the Federal hazardous waste codes most frequently reported, not the quantity managed. See Appendix D of the National Analysis for a description of these waste codes.

Top Three Management Methods

- The top three management methods used in North Carolina were: energy recovery (8,809 tons), incineration (7,886 tons), and fuel blending (2,927 tons).

North Carolina Imports/Exports (As reported by North Carolina).

- The State that shipped the largest quantity of waste to North Carolina was South Carolina (8,986 tons).
- The State to which North Carolina shipped the largest quantity of waste was South Carolina (16,756 tons).

NOTE: Columns may not sum due to rounding.

Exclusion of wastewater from the 1999 National Biennial Report will make cursory comparisons of the 1999 National Biennial Report to National Biennial Reports prior to 1997 misleading. Refer to Executive Summary (ES-2) for a complete explanation.

NORTH DAKOTA

1999 WASTE GENERATION

16	**Total Number of RCRA Large Quantity Generators (LQGs)**

2,675 Tons	**Total Quantity of RCRA Hazardous Waste Generated**

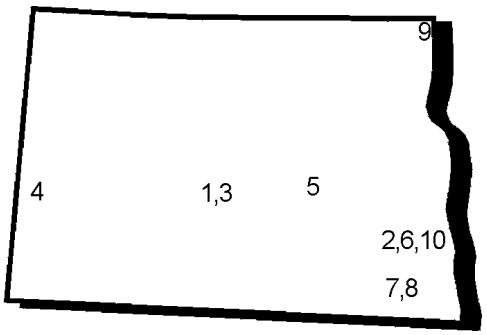


Table 1

Ten Largest RCRA Hazardous Waste Generators and Quantity Generated (tons), 1999

	Site Name	*City*	*Tons of Waste Generated*	*EPA ID*
1	AMOCO OIL CO - MANDAN REFINERY	MANDAN	1,486	NDD006175467
2	SAFETY-KLEEN SYSTEMS - FARGO	FARGO	364	NDD000716738
3	SAFETY-KLEEN SYSTEMS - BISMARCK	BISMARCK	286	NDD980957070
4	WASTE RECOVERY SERVICES INC	BELFIELD	147	NDD982591794
5	TRW - LUCAS AEROSPACE	JAMESTOWN	83	NDD053426565
6	HEALTH CARE INCINERATORS	FARGO	71	NDD167721265
7	IMATION CORPORATION	WAHPETON	44	NDD084497775
8	INDUSTRIAL PLATING CORPORATION	WAHPETON	42	NDD051439743
9	MOTOR COACH IND - PAINT SHOP	PEMBINA	33	ND0000479071
10	TECTON PRODUCTS, LLC	FARGO	29	NDD986267938
	TOTAL		**2,585**	

Top Ten Wastes Generated*: D001, D008, D007, D006, D039, D018, D035, F003, F005, D002

* Based on the Federal hazardous waste codes most frequently reported, not the quantity generated. See Appendix D of the National Analysis for a description of these waste codes.

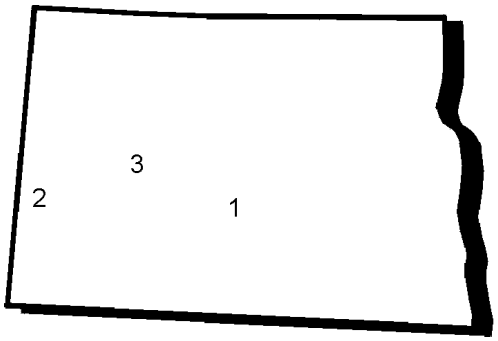
Table 2

Quantity of Generated Waste (tons) that Was Only a Characteristic Waste, Only a Listed Waste or Both Characteristic and Listed Waste, 1999

Only Characteristic		Only Listed		Both Characteristic & Listed	
Ignitable	3	F Waste	21		
Corrosive	6	K Waste	3		
Reactive	0	P Waste	1		
Toxic (D004-17)	224	U Waste	0		
Toxic (D018-43)	22				
Characteristic Mixed	1,904	Listed Mixed	155		
TOTAL	**2,159**	**TOTAL**	**180**	**TOTAL Char. & Listed**	**336**

Exclusion of wastewater from the 1999 National Biennial Report will make cursory comparisons of the 1999 National Biennial Report to National Biennial Reports prior to 1997 misleading. Refer to Executive Summary (ES-2) for a complete explanation.

NORTH DAKOTA



1999 WASTE MANAGEMENT

7	**Total Number of RCRA TSD Facilities**
504 Tons	**Total Quantity of RCRA Hazardous Waste Managed**

Table 3

Largest RCRA Hazardous Waste Managers and Quantity Managed (tons), 1999

	Site Name	*City*	*Tons of Waste Managed**	*EPA ID*
1	AMOCO OIL CO - MANDAN REFINERY	MANDAN	354	NDD006175467
2	WASTE RECOVERY SERVICES INC	BELFIELD	85	NDD982591794
3	DAKOTA GASIFICATION COMPANY	BEULAH	65	NDD000690594
	TOTAL		**504**	

* Facilities reporting storage only and their quantity managed are excluded.

Top Ten Wastes Managed*: D001, F003, F005, D018, D008, D006, D007, D019, D002, D004

* Based on the Federal hazardous waste codes most frequently reported, not the quantity managed. See Appendix D of the National Analysis for a description of these waste codes.

Top Three Management Methods

- The top three management methods used in North Dakota were: other recovery (354 tons), fuel blending (85 tons), and stabilization (62 tons).

North Dakota Imports/Exports (As reported by North Dakota).

- The State that shipped the largest quantity of waste to North Dakota was Minnesota (116 tons).
- The State to which North Dakota shipped the largest quantity of waste was Texas (1,069 tons).

NOTE: Columns may not sum due to rounding.

Exclusion of wastewater from the 1999 National Biennial Report will make cursory comparisons of the 1999 National Biennial Report to National Biennial Reports prior to 1997 misleading. Refer to Executive Summary (ES-2) for a complete explanation.

OHIO

1999 WASTE GENERATION

1,181	**Total Number of RCRA Large Quantity Generators (LQGs)**

1,644,029 Tons	**Total Quantity of RCRA Hazardous Waste Generated**

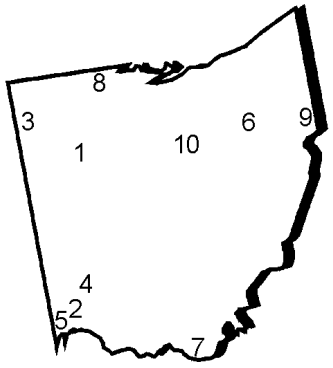


Table 1

Ten Largest RCRA Hazardous Waste Generators and Quantity Generated (tons), 1999

	Site Name	*City*	*Tons of Waste Generated*	*EPA ID*
1	BP CHEMICALS INC	LIMA	900,881	OHD042157644
2	AK STEEL CORPORATION MIDDLETOWN WORKS	MIDDLETOWN	105,597	OHD004234480
3	SYSTECH ENVIRONMENTAL CORP	PAULDING	98,299	OHD005048947
4	ONYX ENVIRONMENTAL SERVICES, L.L.C.	WEST CARROLLTON	57,306	OHD093945293
5	CHEVRON PRODUCTS COMPANY	HOOVEN	54,520	OHD004254132
6	REPUBLIC TECHNOLOGIES INTL	CANTON	30,513	OHD004228003
7	ARISTECH CHEMICAL CORPORATION	HAVERHILL	29,898	OHD005108477
8	NORTH STAR BHP STEEL LLC	DELTA	20,095	OHR000002279
9	VON ROLL AMERICA, INC.	EAST LIVERPOOL	19,887	OHD980613541
10	AK STEEL MANSFIELD OPERATIONS	MANSFIELD	18,797	OHD004157418
	TOTAL		**1,335,794**	

Top Ten Wastes Generated*: D001, F003, D008, D007, D002, F005, D035, D018, D006, D005

* Based on the Federal hazardous waste codes most frequently reported, not the quantity generated. See Appendix D of the National Analysis for a description of these waste codes.

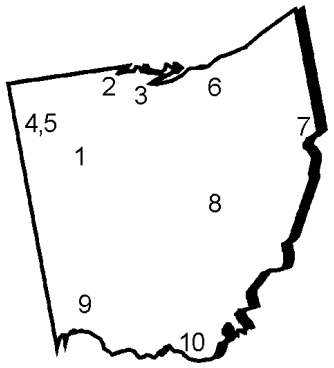
Table 2

Quantity of Generated Waste (tons) that Was Only a Characteristic Waste, Only a Listed Waste or Both Characteristic and Listed Waste, 1999

Only Characteristic		Only Listed		Both Characteristic & Listed	
Ignitable	12,029	F Waste	16,856		
Corrosive	55,742	K Waste	933,721		
Reactive	32	P Waste	5		
Toxic (D004-17)	46,095	U Waste	789		
Toxic (D018-43)	8,253				
Characteristic Mixed	32,954	Listed Mixed	21,823		
TOTAL	**155,105**	**TOTAL**	**973,195**	**TOTAL Char. & Listed**	**515,729**

Exclusion of wastewater from the 1999 National Biennial Report will make cursory comparisons of the 1999 National Biennial Report to National Biennial Reports prior to 1997 misleading. Refer to Executive Summary (ES-2) for a complete explanation.

OHIO



1999 WASTE MANAGEMENT

49	**Total Number of RCRA TSD Facilities**
1,652,870 Tons	**Total Quantity of RCRA Hazardous Waste Managed**

Table 3

Ten Largest RCRA Hazardous Waste Managers and Quantity Managed (tons), 1999

	Site Name	*City*	*Tons of Waste Managed**	*EPA ID*
1	BP CHEMICALS INC	LIMA	900,770	OHD042157644
2	ENVIROSAFE SERVICES OF OHIO INC	OREGON	174,198	OHD045243706
3	WASTE MANAGEMENT OF OHIO INC	VICKERY	136,615	OHD020273819
4	LAFARGE CORPORATION	PAULDING	98,278	OHD987048733
5	SYSTECH ENVIRONMENTAL CORP	PAULDING	88,394	OHD005048947
6	ROSS INCINERATION SERVICES INC	GRAFTON	60,840	OHD048415665
7	VON ROLL AMERICA, INC.	EAST LIVERPOOL	41,571	OHD980613541
8	SAFETY-KLEEN SYSTEMS INC.	HEBRON	32,295	OHD980587364
9	ONYX ENVIRONMENTAL SERVICES, L.L.C.	WEST CARROLLTON	29,228	OHD093945293
10	ARISTECH CHEMICAL CORPORATION	HAVERHILL	29,193	OHD005108477
	TOTAL		**1,591,382**	

* Facilities reporting storage only and their quantity managed are excluded.

Top Ten Wastes Managed*: D039, D001, F002, D040, F003, D018, F005, D008, D007, D035

* Based on the Federal hazardous waste codes most frequently reported, not the quantity managed. See Appendix D of the National Analysis for a description of these waste codes.

Top Three Management Methods

- The top three management methods used in Ohio were: deepwell / underground injection (1,036,059 tons), fuel blending (237,753 tons), and landfill (174,198 tons).

Ohio Imports/Exports (As reported by Ohio).

- The State that shipped the largest quantity of waste to Ohio was Indiana (56,605 tons).
- The State to which Ohio shipped the largest quantity of waste was Foreign Country (104,370 tons).

NOTE: Columns may not sum due to rounding.

Exclusion of wastewater from the 1999 National Biennial Report will make cursory comparisons of the 1999 National Biennial Report to National Biennial Reports prior to 1997 misleading. Refer to Executive Summary (ES-2) for a complete explanation.

OKLAHOMA

1999 WASTE GENERATION

147	**Total Number of RCRA Large Quantity Generators (LQGs)**

417,460 Tons	**Total Quantity of RCRA Hazardous Waste Generated**

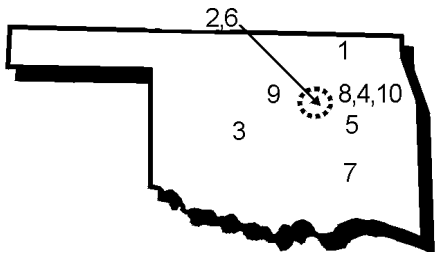


Table 1

Ten Largest RCRA Hazardous Waste Generators and Quantity Generated (tons), 1999

	Site Name	*City*	*Tons of Waste Generated*	*EPA ID*
1	ZINC CORPORATION OF AMERICA	BARTLESVILLE	375,265	OKD000829440
2	SHEFFIELD STEEL CORPORATION	SAND SPRINGS	7,164	OKD007219181
3	U.S. TINKER AIR FORCE BASE	TINKER AFB	4,532	OK1571724391
4	SUNCO, INC (R&M)	TULSA	3,655	OKD058078775
5	GREENWAY ENVIRONMENTAL INC	HASKELL	3,560	OKD089761290
6	BAKER PETROLITE	SAND SPRINGS	3,487	OKD072424104
7	U.S. ARMY MCALESTER AMMUNITION PLANT	MCALESTER	3,344	OK6213822798
8	NORTH AMERICAN GALVANIZING - TULSA #1	TULSA	1,601	OKD007218167
9	NATIONAL STANDARD COMPANY	STILLWATER	1,439	OKD065436180
10	NORTH AMERICAN GALVANIZING -TULSA #2	TULSA	1,303	OKD000815001
	TOTAL		**405,351**	

Top Ten Wastes Generated*: D001, D007, D008, F003, F005, D006, D035, D018, D002, D039

* Based on the Federal hazardous waste codes most frequently reported, not the quantity generated. See Appendix D of the National Analysis for a description of these waste codes.

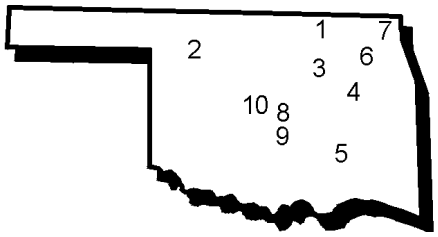
Table 2

Quantity of Generated Waste (tons) that Was Only a Characteristic Waste, Only a Listed Waste or Both Characteristic and Listed Waste, 1999

Only Characteristic		Only Listed		Both Characteristic & Listed	
Ignitable	2,458	F Waste	4,723		
Corrosive	241	K Waste	8,724		
Reactive	3,335	P Waste	2		
Toxic (D004-17)	377,082	U Waste	23		
Toxic (D018-43)	76				
Characteristic Mixed	8,252	Listed Mixed	232		
TOTAL	**391,444**	**TOTAL**	**13,704**	**TOTAL Char. & Listed**	**12,308**

Exclusion of wastewater from the 1999 National Biennial Report will make cursory comparisons of the 1999 National Biennial Report to National Biennial Reports prior to 1997 misleading. Refer to Executive Summary (ES-2) for a complete explanation.

OKLAHOMA



1999 WASTE MANAGEMENT

30	**Total Number of RCRA TSD Facilities**
485,193 Tons	**Total Quantity of RCRA Hazardous Waste Managed**

Table 3

Largest RCRA Hazardous Waste Managers and Quantity Managed (tons), 1999

	Site Name	*City*	*Tons of Waste Managed**	*EPA ID*
1	ZINC CORPORATION OF AMERICA	BARTLESVILLE	374,683	OKD000829440
2	SAFETY-KLEEN, LONE MOUNTAIN	WAYNOKA	95,358	OKD065438376
3	PERMA-FIX TREATMENT SERVICES	TULSA	5,772	OKD000402396
4	GREENWAY ENVIRONMENTAL INC	HASKELL	5,100	OKD089761290
5	U.S. ARMY MCALESTER AMMUNITION PLANT	MCALESTER	3,330	OK6213822798
6	NORIT AMERICAS INC	PRYOR	761	OKD987072006
7	EAGLE-PITCHER TECH LLC (EOM)	QUAPAW	187	OKD007158454
8	KIMRAY INC.	OKLAHOMA CITY	1	OKD007194475
9	MIDWEST TROPHY MFG. CO. INC.	DEL CITY	1	OKR000002741
	TOTAL		**485,193**	

* Facilities reporting storage only and their quantity managed are excluded.

Top Ten Wastes Managed*: D001, F003, F005, D008, D007, F002, D035, D039, D006, D002

* Based on the Federal hazardous waste codes most frequently reported, not the quantity managed. See Appendix D of the National Analysis for a description of these waste codes.

Top Three Management Methods

- The top three management methods used in Oklahoma were: deepwell / underground injection (374,769 tons), stabilization (51,248 tons), and landfill (46,793 tons).

Oklahoma Imports/Exports (As reported by Oklahoma).

- The State that shipped the largest quantity of waste to Oklahoma was Texas (42,507 tons).
- The State to which Oklahoma shipped the largest quantity of waste was Texas (10,259 tons).

NOTE: Columns may not sum due to rounding.

Exclusion of wastewater from the 1999 National Biennial Report will make cursory comparisons of the 1999 National Biennial Report to National Biennial Reports prior to 1997 misleading. Refer to Executive Summary (ES-2) for a complete explanation.

OREGON

1999 WASTE GENERATION

208	**Total Number of RCRA Large Quantity Generators (LQGs)**

81,270 Tons	**Total Quantity of RCRA Hazardous Waste Generated**

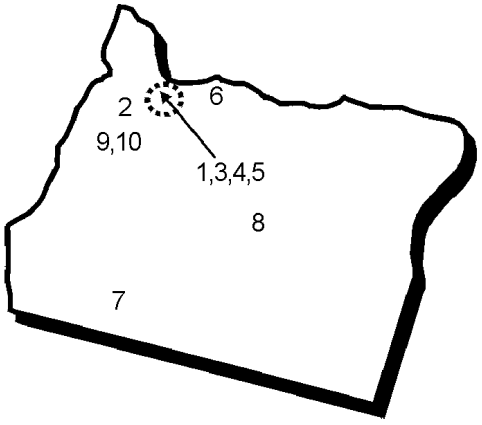


Table 1

Ten Largest RCRA Hazardous Waste Generators and Quantity Generated (tons), 1999

	Site Name	*City*	*Tons of Waste Generated*	*EPA ID*
1	MCCORMICK & BAXTER SUPERFUND SITE	PORTLAND	33,792	ORD009020603
2	CASCADE STEEL ROLLING MILLS INC	MCMINNVILLE	12,118	ORD045776432
3	MERIX CORP	FOREST GROVE	6,249	ORD980725592
4	OREGON STEEL MILLS INC	PORTLAND	6,112	ORD009106055
5	REYNOLDS METALS COMPANY	TROUTDALE	2,321	ORD009412677
6	NORTHWEST ALUMINUM COMPANY	THE DALLES	2,319	ORD981764707
7	EASTMAN KODAK COMPANY	WHITE CITY	1,526	ORD041265372
8	ODEQ VAN OSTEN PROPERTIES SITE	BEND	1,252	ORD044835148
9	SYNTHETECH INC	ALBANY	1,165	ORD085979474
10	WAH CHANG	ALBANY	973	ORD050955848
	TOTAL		**67,826**	

Top Ten Wastes Generated*: D001, F003, F005, D002, D008, D007, D035, D006, D018, D003

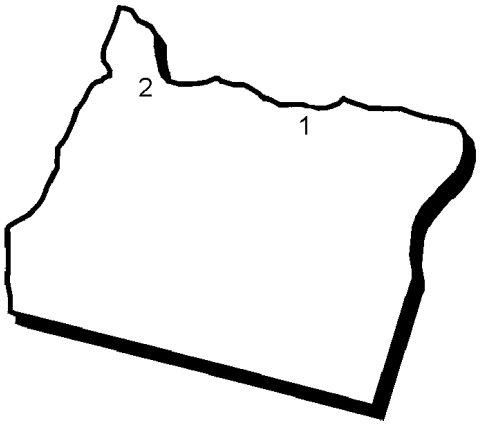
* Based on the Federal hazardous waste codes most frequently reported, not the quantity generated. See Appendix D of the National Analysis for a description of these waste codes.

Table 2

Quantity of Generated Waste (tons) that Was Only a Characteristic Waste, Only a Listed Waste or Both Characteristic and Listed Waste, 1999

Only Characteristic		Only Listed		Both Characteristic & Listed	
Ignitable	1,685	F Waste	41,285		
Corrosive	417	K Waste	22,844		
Reactive	414	P Waste	2		
Toxic (D004-17)	2,803	U Waste	15		
Toxic (D018-43)	113				
Characteristic Mixed	4,754	Listed Mixed	224		
TOTAL	**10,184**	**TOTAL**	**64,370**	**TOTAL Char. & Listed**	**6,698**

Exclusion of wastewater from the 1999 National Biennial Report will make cursory comparisons of the 1999 National Biennial Report to National Biennial Reports prior to 1997 misleading. Refer to Executive Summary (ES-2) for a complete explanation.



OREGON

1999 WASTE MANAGEMENT

6	**Total Number of RCRA TSD Facilities**

38,874 Tons	**Total Quantity of RCRA Hazardous Waste Managed**

Table 3

Largest RCRA Hazardous Waste Managers and Quantity Managed (tons), 1999

	Site Name	*City*	*Tons of Waste Managed**	*EPA ID*
1	CHEMICAL WASTE MANAGEMENT OF THE NW	ARLINGTON	38,871	ORD089452353
2	TEKTRONIX INC BEAVERTON CAMPUS	BEAVERTON	3	ORD009020231
	TOTAL		**38,874**	

* Facilities reporting storage only and their quantity managed are excluded.

Top Ten Wastes Managed*: D008, D007, D006, D005, F006, D004, D002, D009, F002, D010

* Based on the Federal hazardous waste codes most frequently reported, not the quantity managed. See Appendix D of the National Analysis for a description of these waste codes.

Top Three Management Methods

- The top three management methods used in Oregon were: landfill (24,967 tons), stabilization (10,147 tons), and other disposal (3,757 tons).

Oregon Imports/Exports (As reported by Oregon).

- The State that shipped the largest quantity of waste to Oregon was Washington (28,423 tons).
- The State to which Oregon shipped the largest quantity of waste was Idaho (51,788 tons).

NOTE: Columns may not sum due to rounding.

Exclusion of wastewater from the 1999 National Biennial Report will make cursory comparisons of the 1999 National Biennial Report to National Biennial Reports prior to 1997 misleading. Refer to Executive Summary (ES-2) for a complete explanation.

PENNSYLVANIA

1999 WASTE GENERATION

965	**Total Number of RCRA Large Quantity Generators (LQGs)**

417,477 Tons	**Total Quantity of RCRA Hazardous Waste Generated**

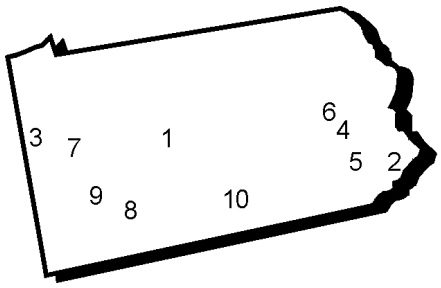


Table 1

Ten Largest RCRA Hazardous Waste Generators and Quantity Generated (tons), 1999

	Site Name	*City*	*Tons of Waste Generated*	*EPA ID*
1	EAST PENN MFG CO INC	LYON STATION	47,442	PAD002330165
2	SUNOCO INC FRANKFORD PLT	PHILADELPHIA	39,261	PAD002312791
3	WHEATLAND TUBE COMPANY	WHEATLAND	25,671	PAD004338091
4	EXIDE GENERAL BATTERY READING COMPLEX	READING	17,672	PAD990753089
5	BETHLEHEM LUKENS PLATE COATESVILLE	COATESVILLE	16,595	PAD002326908
6	ICI EXPLOSIVES USA INC	TAMAQUA	15,125	PAD071203046
7	AK STEEL INC PLANT 1 LYNDORA	LYNDORA	14,218	PAD004325254
8	REPUBLIC TECHNOLOGIES INTL LLC	JOHNSTOWN	10,970	PAR000000307
9	ALLEGHENY LUDLUM BRACKENRIDGE	BRACKENRIDGE	9,988	PAD004335154
10	BETHLEHEM STEEL CORP STEELTON	STEELTON	9,932	PAD003026531
	TOTAL		**206,875**	

Top Ten Wastes Generated*: D001, F003, D008, D002, F005, D007, D006, D018, D035, D039

* Based on the Federal hazardous waste codes most frequently reported, not the quantity generated. See Appendix D of the National Analysis for a description of these waste codes.

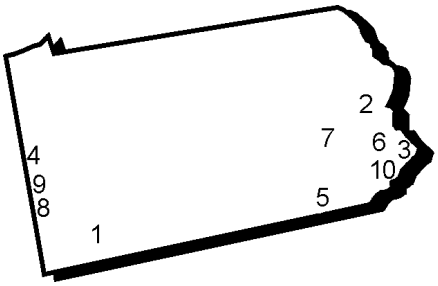
Table 2

Quantity of Generated Waste (tons) that Was Only a Characteristic Waste, Only a Listed Waste or Both Characteristic and Listed Waste, 1999

Only Characteristic		Only Listed		Both Characteristic & Listed	
Ignitable	10,556	F Waste	13,503		
Corrosive	4,335	K Waste	100,875		
Reactive	77	P Waste	39		
Toxic (D004-17)	124,052	U Waste	778		
Toxic (D018-43)	8,905				
Characteristic Mixed	15,160	Listed Mixed	4,435		
TOTAL	**163,085**	**TOTAL**	**119,630**	**TOTAL Char. & Listed**	**134,469**

Exclusion of wastewater from the 1999 National Biennial Report will make cursory comparisons of the 1999 National Biennial Report to National Biennial Reports prior to 1997 misleading. Refer to Executive Summary (ES-2) for a complete explanation.

PENNSYLVANIA



1999 WASTE MANAGEMENT

51	**Total Number of RCRA TSD Facilities**
293,078 Tons	**Total Quantity of RCRA Hazardous Waste Managed**

Table 3

Ten Largest RCRA Hazardous Waste Managers and Quantity Managed (tons), 1999

	Site Name	*City*	*Tons of Waste Managed**	*EPA ID*
1	MILL SERVICE YUKON	YUKON	74,400	PAD004835146
2	KEYSTONE CEMENT CO	BATH	53,524	PAD002389559
3	SUNOCO INC FRANKFORD PLT	PHILADELPHIA	39,477	PAD002312791
4	INMETCO	ELLWOOD CITY	39,363	PAD087561015
5	ENVIRITE OF PENNSYLVANIA INC	YORK	26,994	PAD010154045
6	REPUBLIC ENV SYS (PA) INC	HATFIELD	21,064	PAD085690592
7	EXIDE GENERAL BATTERY READING COMPLEX	READING	20,995	PAD990753089
8	CALGON CARBON CORP	PITTSBURGH	5,978	PAD000736942
9	ENVIROTROL INC DARLINGTON	DARLINGTON	5,734	PAD987270725
10	LONZA RIVERSIDE PLANT	CONSHOHOCKEN	2,495	PAD980550412
	TOTAL		**290,024**	

* Facilities reporting storage only and their quantity managed are excluded.

Top Ten Wastes Managed*: D008, D002, D007, D009, F006, D018, F001, D006, D001, F002

* Based on the Federal hazardous waste codes most frequently reported, not the quantity managed. See Appendix D of the National Analysis for a description of these waste codes.

Top Three Management Methods

- The top three management methods used in Pennsylvania were: stabilization (116,197 tons), energy recovery (94,334 tons), and metals recovery (66,636 tons).

Pennsylvania Imports/Exports (As reported by Pennsylvania).

- The State that shipped the largest quantity of waste to Pennsylvania was New Jersey (47,486 tons).
- The State to which Pennsylvania shipped the largest quantity of waste was Ohio (43,879 tons).

NOTE: Columns may not sum due to rounding.

Exclusion of wastewater from the 1999 National Biennial Report will make cursory comparisons of the 1999 National Biennial Report to National Biennial Reports prior to 1997 misleading. Refer to Executive Summary (ES-2) for a complete explanation.

PUERTO RICO

1999 WASTE GENERATION

105	**Total Number of RCRA Large Quantity Generators (LQGs)**

86,630 Tons	**Total Quantity of RCRA Hazardous Waste Generated**

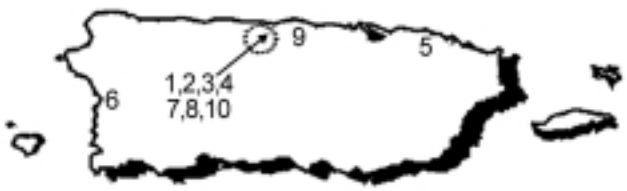


Table 1

Ten Largest RCRA Hazardous Waste Generators and Quantity Generated (tons), 1999

	Site Name	*City*	*Tons of Waste Generated*	*EPA ID*
1	SAFETY KLEEN ENVIROSYSTEMS	MANATI	23,771	PRD090399718
2	ABBOTT CHEMICALS PLANT (SOUTH)	BARCELONETA	12,072	PRD987374451
3	PHARMACIA & UPJOHN CARIBE INC	BARCELONETA	9,470	PRD090398074
4	PFIZER PHARMACEUTICALS LLC	BARCELONETA	9,151	PRD090346909
5	SAFETY KLEEN ENVIROSYSTEMS	DORADO	7,476	PRD981182421
6	LILLY DEL CARIBE, INC. PR-04	MAYAGUEZ	7,087	PRD091024786
7	MERCK SHARP AND DOHME QUIMICA DE PR	BARCELONETA	6,247	PRD090028101
8	BRISTOL-MYERS BARCELONETA INC	BARCELONETA	2,169	PRD090036021
9	SCHERING PLOUGH PRODUCTS, L.L.C.	MANAT	1,667	PRD090139536
10	SEARLE, LTD.	BARCELONETA	697	PRD991291949
	TOTAL		**79,806**	

Top Ten Wastes Generated*: D001, F003, D002, F005, D009, D008, F002, D007, D003, D011

* Based on the Federal hazardous waste codes most frequently reported, not the quantity generated. See Appendix D of the National Analysis for a description of these waste codes.

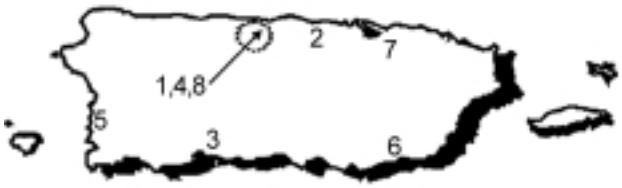
Table 2

Quantity of Generated Waste (tons) that Was Only a Characteristic Waste, Only a Listed Waste or Both Characteristic and Listed Waste, 1999

Only Characteristic		Only Listed		Both Characteristic & Listed	
Ignitable	22,511	F Waste	28,407		
Corrosive	38	K Waste	359		
Reactive	11	P Waste	68		
Toxic (D004-17)	210	U Waste	60		
Toxic (D018-43)	111				
Characteristic Mixed	3,047	Listed Mixed	33		
TOTAL	**25,927**	**TOTAL**	**28,926**	**TOTAL Char. & Listed**	**31,758**

Exclusion of wastewater from the 1999 National Biennial Report will make cursory comparisons of the 1999 National Biennial Report to National Biennial Reports prior to 1997 misleading. Refer to Executive Summary (ES-2) for a complete explanation.

PUERTO RICO



1999 WASTE MANAGEMENT

31	**Total Number of RCRA TSD Facilities**
116,796 Tons	**Total Quantity of RCRA Hazardous Waste Managed**

Table 3

Largest RCRA Hazardous Waste Managers and Quantity Managed (tons), 1999

	Site Name	*City*	*Tons of Waste Managed**	*EPA ID*
1	SAFETY KLEEN ENVIROSYSTEMS	MANATI	47,292	PRD090399718
2	SAFETY KLEEN ENVIROSYSTEMS	DORADO	40,398	PRD981182421
3	UNION CARBIDE CARIBE LLC	PENUELAS	22,773	PRD980594618
4	MERCK SHARP AND DOHME QUIMICA DE PR	BARCELONETA	6,189	PRD090028101
5	LILLY DEL CARIBE, INC. PR-04	MAYAGUEZ	95	PRD091024786
6	CHEMSOURCE CORP.	GUAYAMA	23	PRD090613357
7	ISLAND LITHO, CORP.	BAYAMON	19	PRD090466996
8	PHARMACIA & UPJOHN CARIBE INC	BARCELONETA	6	PRD090398074
	TOTAL		**116,796**	

* Facilities reporting storage only and their quantity managed are excluded.

Top Ten Wastes Managed*: D001, F003, D018, D039, D011, D009, F005, D040, D002, D008

* Based on the Federal hazardous waste codes most frequently reported, not the quantity managed. See Appendix D of the National Analysis for a description of these waste codes.

Top Three Management Methods

- The top three management methods used in Puerto Rico were: solvents recovery (43,987 tons), fuel blending (43,665 tons), and landfill (11,387 tons).

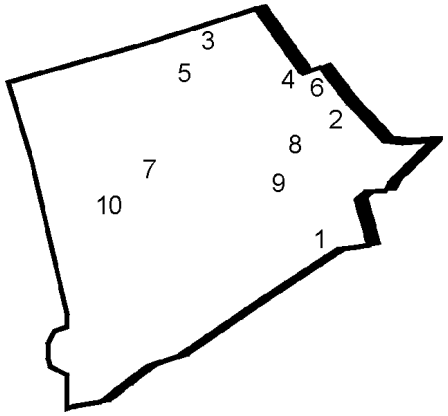
Puerto Rico Imports/Exports (As reported by Puerto Rico).

- Puerto Rico did not receive RCRA hazardous wastes from any other State.
- The State to which Puerto Rico shipped the largest quantity of waste was South Carolina (19,929 tons).

NOTE: Columns may not sum due to rounding.

Exclusion of wastewater from the 1999 National Biennial Report will make cursory comparisons of the 1999 National Biennial Report to National Biennial Reports prior to 1997 misleading. Refer to Executive Summary (ES-2) for a complete explanation.

RHODE ISLAND



1999 WASTE GENERATION

145	**Total Number of RCRA Large Quantity Generators (LQGs)**

37,622 Tons	**Total Quantity of RCRA Hazardous Waste Generated**

Table 1

Ten Largest RCRA Hazardous Waste Generators and Quantity Generated (tons), 1999

	Site Name	*City*	*Tons of Waste Generated*	*EPA ID*
1	NAVAL STATION NEWPORT- MELVILLE NORTH LF	PORTSMOUTH	19,636	RIP000019360
2	MOBIL OIL CORP- EAST PROV. TERMINAL	EAST PROVIDENCE	11,964	RID001202050
3	CNC INTERNATIONAL, LP	WOONSOCKET	456	RID987489770
4	OSRAM SYLVANIA	CENTRAL FALLS	411	RID001198605
5	NEW ENGLAND CONTAINER	SMITHFIELD	305	RID048976732
6	INTERNATIONAL ETCHING, INC	PROVIDENCE	287	RID987467248
7	SOLUOL CHEMICAL CO., INC.	WEST WARWICK	281	RID001200930
8	CHEM-PAK CORPORATION	CRANSTON	260	RID084802842
9	ARKWRIGHT, INC.	FISKEVILLE	245	RID058065707
10	CLARIANT CORPORATION	COVENTRY	237	RI5000011387
	TOTAL		**34,081**	

Top Ten Wastes Generated*: D001, D002, D008, D003, F003, D007, D006, D011, F005, D009

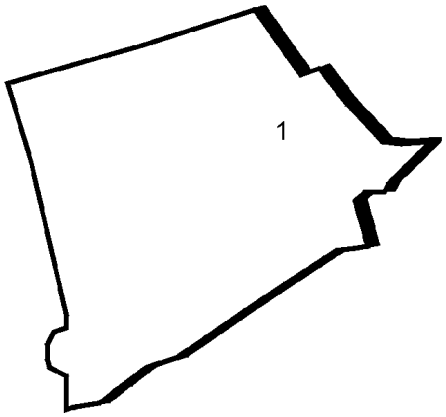
* Based on the Federal hazardous waste codes most frequently reported, not the quantity generated. See Appendix D of the National Analysis for a description of these waste codes.

Table 2

Quantity of Generated Waste (tons) that Was Only a Characteristic Waste, Only a Listed Waste or Both Characteristic and Listed Waste, 1999

Only Characteristic		Only Listed		Both Characteristic & Listed	
Ignitable	1,061	F Waste	823		
Corrosive	203	K Waste	0		
Reactive	15	P Waste	0		
Toxic (D004-17)	22,066	U Waste	4		
Toxic (D018-43)	50				
Characteristic Mixed	11,776	Listed Mixed	0		
TOTAL	**35,171**	**TOTAL**	**827**	**TOTAL Char. & Listed**	**1,610**

Exclusion of wastewater from the 1999 National Biennial Report will make cursory comparisons of the 1999 National Biennial Report to National Biennial Reports prior to 1997 misleading. Refer to Executive Summary (ES-2) for a complete explanation.



RHODE ISLAND

1999 WASTE MANAGEMENT

3	**Total Number of RCRA TSD Facilities**

2,220 Tons	**Total Quantity of RCRA Hazardous Waste Managed**

Table 3

Largest RCRA Hazardous Waste Managers and Quantity Managed (tons), 1999

	Site Name	*City*	*Tons of Waste Managed**	*EPA ID*
1	CHEM-PAK CORPORATION	CRANSTON	2,220	RID084802842
	TOTAL		**2,220**	

* Facilities reporting storage only and their quantity managed are excluded.

Top Wastes Managed*: D001, F002, D039

* Based on the Federal hazardous waste codes most frequently reported, not the quantity managed. See Appendix D of the National Analysis for a description of these waste codes.

Top Management Method

- The top management method used in Rhode Island was solvents recovery (2,220 tons).

Rhode Island Imports/Exports (As reported by Rhode Island).

- The State that shipped the largest quantity of waste to Rhode Island was Massachusetts (2,191 tons).
- The State to which Rhode Island shipped the largest quantity of waste was New York (16,604 tons).

NOTE: Columns may not sum due to rounding.

Exclusion of wastewater from the 1999 National Biennial Report will make cursory comparisons of the 1999 National Biennial Report to National Biennial Reports prior to 1997 misleading. Refer to Executive Summary (ES-2) for a complete explanation.

SOUTH CAROLINA

1999 WASTE GENERATION

347	**Total Number of RCRA Large Quantity Generators (LQGs)**

14,761 Tons	**Total Quantity of RCRA Hazardous Waste Generated**

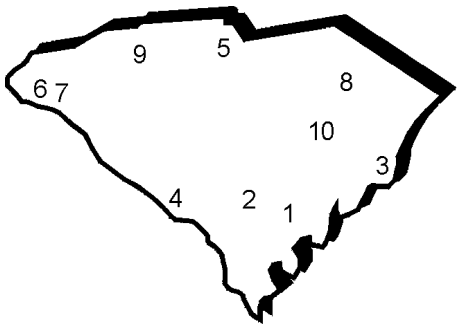


Table 1

Ten Largest RCRA Hazardous Waste Generators and Quantity Generated (tons), 1999

	Site Name	*City*	*Tons of Waste Generated*	*EPA ID*
1	GIANT CEMENT COMPANY	HARLEYVILLE	7,176	SCD003351699
2	ALBEMARLE CORP ORANGEBURG PLT	ORANGEBURG	3,362	SCD043384072
3	3V INC	GEORGETOWN	2,703	SCD980500052
4	DOE/WSRC SAVANNAH RIVER SITE	JACKSON	662	SC1890008989
5	ARCHIMICA INC ELGIN	ELGIN	193	SCD042627448
6	AEC SENECA	SENECA	81	SC0000193631
7	GREENFIELD INDUSTRIES CLEMSON	CLEMSON	64	SCD055914436
8	KOPPERS INDUSTRIES INC	FLORENCE	46	SCD003353026
9	SYBRON CHEMICALS INC	WELLFORD	44	SCD078057031
10	SOUTHEASTERN CHEMICALS & SOLVENTS CO	SUMTER	39	SCD036275626
	TOTAL		**14,370**	

Top Ten Wastes Generated*: D001, F003, D008, D002, D007, F005, D006, F002, D005, D018

* Based on the Federal hazardous waste codes most frequently reported, not the quantity generated. See Appendix D of the National Analysis for a description of these waste codes.

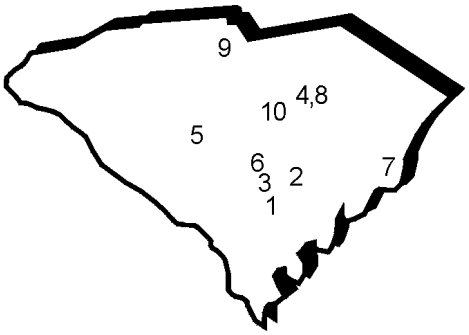
Table 2

Quantity of Generated Waste (tons) that Was Only a Characteristic Waste, Only a Listed Waste or Both Characteristic and Listed Waste, 1999

Only Characteristic		Only Listed		Both Characteristic & Listed	
Ignitable	35	F Waste	404		
Corrosive	300	K Waste	46		
Reactive	1	P Waste	0		
Toxic (D004-17)	133	U Waste	3		
Toxic (D018-43)	191				
Characteristic Mixed	388	Listed Mixed	83		
TOTAL	**1,048**	**TOTAL**	**536**	**TOTAL Char. & Listed**	**13,177**

Exclusion of wastewater from the 1999 National Biennial Report will make cursory comparisons of the 1999 National Biennial Report to National Biennial Reports prior to 1997 misleading. Refer to Executive Summary (ES-2) for a complete explanation.

SOUTH CAROLINA



1999 WASTE MANAGEMENT

26	**Total Number of RCRA TSD Facilities**
329,906 Tons	**Total Quantity of RCRA Hazardous Waste Managed**

Table 3

Ten Largest RCRA Hazardous Waste Managers and Quantity Managed (tons), 1999

	Site Name	*City*	*Tons of Waste Managed**	*EPA ID*
1	GIANT CEMENT COMPANY	HARLEYVILLE	110,768	SCD003351699
2	HOLNAM INC SAFETY KLEEN SYSTEMS INC	HOLLY HILL	95,550	SCD003368891
3	SAFETY KLEEN (PINEWOOD), INC	PINEWOOD	57,252	SCD070375985
4	SOUTHEASTERN CHEMICALS & SOLVENTS CO	SUMTER	40,548	SCD036275626
5	SAFETY KLEEN SYSTEMS INC LEXINGTON	LEXINGTON	19,046	SCD077995488
6	ALBEMARLE CORP ORANGEBURG PLT	ORANGEBURG	3,362	SCD043384072
7	3V INC	GEORGETOWN	2,627	SCD980500052
8	PHIBRO TECH INC	SUMTER	636	SCD070371885
9	PETRO CHEM SC	ROCK HILL	114	SCD044442333
10	USAF-POINSETT ELECTRONIC COMBAT RANGE	WEDGEFIELD	1	SC9570090002
	TOTAL		**329,905**	

* Facilities reporting storage only and their quantity managed are excluded.

Top Ten Wastes Managed*: D001, D039, F005, F003, D040, D018, F002, F001, D006, D008

* Based on the Federal hazardous waste codes most frequently reported, not the quantity managed. See Appendix D of the National Analysis for a description of these waste codes.

Top Three Management Methods

- The top three management methods used in South Carolina were: incineration (209,681 tons), solvents recovery (59,594 tons), and deepwell / underground injection (57,236 tons).

South Carolina Imports/Exports (As reported by South Carolina).

- The State that shipped the largest quantity of waste to South Carolina was Georgia (45,527 tons).
- South Carolina did not ship RCRA hazardous wastes to any other State.

NOTE: Columns may not sum due to rounding.

Exclusion of wastewater from the 1999 National Biennial Report will make cursory comparisons of the 1999 National Biennial Report to National Biennial Reports prior to 1997 misleading. Refer to Executive Summary (ES-2) for a complete explanation.

SOUTH DAKOTA

1999 WASTE GENERATION

21	**Total Number of RCRA Large Quantity Generators (LQGs)**

1,074 Tons	**Total Quantity of RCRA Hazardous Waste Generated**

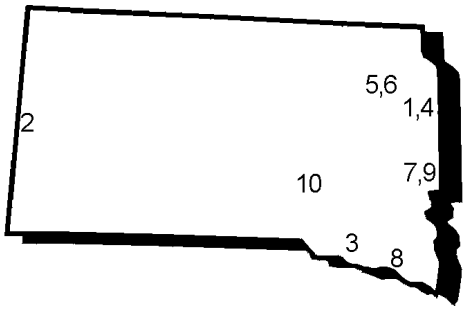


Table 1

Ten Largest RCRA Hazardous Waste Generators and Quantity Generated (tons), 1999

	Site Name	*City*	*Tons of Waste Generated*	*EPA ID*
1	3M HEALTH CARE	BROOKINGS	284	SDD078668696
2	WHEELER LUMBER L.L.C.	WHITEWOOD	219	SDD061536843
3	ALCOA EXTRUSIONS, INCORPORATED	YANKTON	205	SDD096407838
4	STAR CIRCUITS, INCORPORATED	BROOKINGS	95	SDD981545577
5	ANGUS INDUSTRIES, INCORPORATED	WATERTOWN	66	SDD982596942
6	SMITH EQUIPMENT	WATERTOWN	29	SDD980635783
7	STARMARK, INCORPORATED	SIOUX FALLS	25	SDD094698321
8	CR INDUSTRIES	SPRINGFIELD	21	SDD078013760
9	SAFETY-KLEEN SYSTEMS	SIOUX FALLS	18	SDD000716696
10	TRAIL KING INDUSTRIES, INC.	MITCHELL	16	SDD982649766
	TOTAL		**978**	

Top Ten Wastes Generated*: D001, D008, F003, D007, F005, D039, D035, D009, D018, D040

* Based on the Federal hazardous waste codes most frequently reported, not the quantity generated. See Appendix D of the National Analysis for a description of these waste codes.

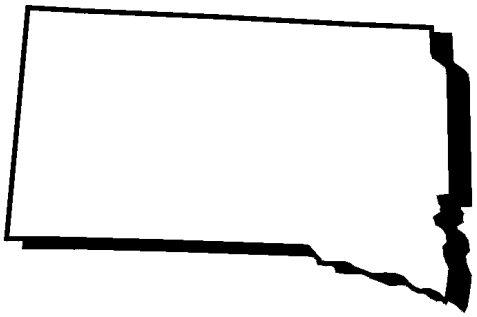
Table 2

Quantity of Generated Waste (tons) that Was Only a Characteristic Waste, Only a Listed Waste or Both Characteristic and Listed Waste, 1999

Only Characteristic		Only Listed		Both Characteristic & Listed	
Ignitable	45	F Waste	150		
Corrosive	11	K Waste	192		
Reactive	0	P Waste	0		
Toxic (D004-17)	26	U Waste	0		
Toxic (D018-43)	1				
Characteristic Mixed	86	Listed Mixed	0		
TOTAL	**169**	**TOTAL**	**342**	**TOTAL Char. & Listed**	**563**

Exclusion of wastewater from the 1999 National Biennial Report will make cursory comparisons of the 1999 National Biennial Report to National Biennial Reports prior to 1997 misleading. Refer to Executive Summary (ES-2) for a complete explanation.

SOUTH DAKOTA



1999 WASTE MANAGEMENT

1	Total Number of RCRA TSD Facilities
0 Tons	Total Quantity of RCRA Hazardous Waste Managed

Top Management Method

- There were no facilities* in South Dakota that reported managing (treating or disposing) RCRA hazardous waste.

  * Because quantity managed only by storage was excluded, facilities managing by storage only were not listed.

South Dakota Imports/Exports (As reported by South Dakota).

- The State that shipped the largest quantity of waste to South Dakota was Minnesota (61 tons).
- The State to which South Dakota shipped the largest quantity of waste was Illinois (455 tons).

NOTE: Columns may not sum due to rounding.

Exclusion of wastewater from the 1999 National Biennial Report will make cursory comparisons of the 1999 National Biennial Report to National Biennial Reports prior to 1997 misleading. Refer to Executive Summary (ES-2) for a complete explanation.

TENNESSEE

1999 WASTE GENERATION

396	**Total Number of RCRA Large Quantity Generators (LQGs)**

2,218,753 Tons	**Total Quantity of RCRA Hazardous Waste Generated**

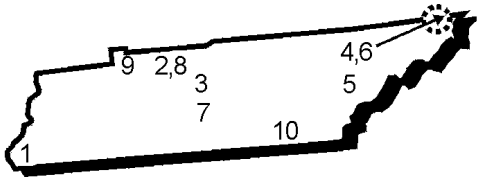


Table 1

Ten Largest RCRA Hazardous Waste Generators and Quantity Generated (tons), 1999

	Site Name	*City*	*Tons of Waste Generated*	*EPA ID*
1	VELSICOL CHEMICAL	MEMPHIS	1,118,851	TND007024664
2	ALLTRISTA ZINC PRODUCTS L.P.	GREENEVILLE	216,001	TND053983862
3	OLIN CORPORATION - CHARLESTON PLANT	CHARLESTON	203,286	TND003337292
4	TENN EASTMAN DIVISION OF EASTMAN CHEMICA	KINGSPORT	156,506	TND003376928
5	YALE SECURITY INC.	LENOIR CITY	130,942	TND095050019
6	UNISYS EARHART SITE, BRISTOL, TN	BRISTOL	99,369	TND982139115
7	METALICO - COLLEGE GROVE INC	COLLEGE GROVE	40,970	TND004048690
8	EXIDE CORPORATION	BRISTOL	25,202	TN0000590612
9	SAVAGE ZINC INC	CLARKSVILLE	23,153	TND081460651
10	CANNON EQUIPMENT SOUTHEAST INC	CHATTANOOGA	21,946	TND003329513
	TOTAL		**2,036,226**	

Top Ten Wastes Generated*: D001, D002, D008, F003, D007, F005, D006, D003, F002, LABP

* Based on the Federal hazardous waste codes most frequently reported, not the quantity generated. See Appendix D of the National Analysis for a description of these waste codes.

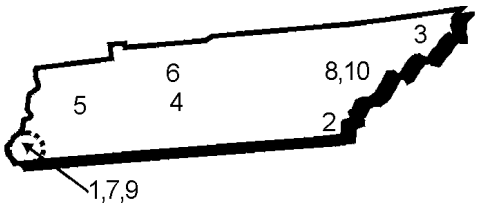
Table 2

Quantity of Generated Waste (tons) that Was Only a Characteristic Waste, Only a Listed Waste or Both Characteristic and Listed Waste, 1999

Only Characteristic		Only Listed		Both Characteristic & Listed	
Ignitable	2,240	F Waste	358,000		
Corrosive	39,322	K Waste	12,722		
Reactive	127	P Waste	95		
Toxic (D004-17)	271,411	U Waste	100,596		
Toxic (D018-43)	1,234				
Characteristic Mixed	1,305,827	Listed Mixed	2,994		
TOTAL	**1,620,162**	**TOTAL**	**474,406**	**TOTAL Char. & Listed**	**124,157**

Exclusion of wastewater from the 1999 National Biennial Report will make cursory comparisons of the 1999 National Biennial Report to National Biennial Reports prior to 1997 misleading. Refer to Executive Summary (ES-2) for a complete explanation.

TENNESSEE



1999 WASTE MANAGEMENT

28	**Total Number of RCRA TSD Facilities**
1,551,844 Tons	**Total Quantity of RCRA Hazardous Waste Managed**

Table 3

Ten Largest RCRA Hazardous Waste Managers and Quantity Managed (tons), 1999

	Site Name	*City*	*Tons of Waste Managed**	*EPA ID*
1	VELSICOL CHEMICAL	MEMPHIS	1,118,487	TND007024664
2	OLIN CORPORATION - CHARLESTON PLANT	CHARLESTON	203,233	TND003337292
3	TENN EASTMAN DIVISION OF EASTMAN CHEMICA	KINGSPORT	150,918	TND003376928
4	METALICO - COLLEGE GROVE INC	COLLEGE GROVE	40,970	TND004048690
5	AMERISTEEL	JACKSON	10,405	TND002992287
6	SAFETY-KLEEN (TS) INC	GREENBRIER	7,865	TND000645770
7	EXCEL TSD INC	MEMPHIS	6,461	TND980847024
8	ROHM AND HAAS COMPANY	KNOXVILLE	3,960	TND058660390
9	POLLUTION CONTROL INDUSTRIES OF TENNESS	MILLINGTON	3,010	TND000772186
10	U S DOE EAST TN TECHNOLOGY PARK	OAK RIDGE	1,192	TN0890090004
	TOTAL		**1,546,501**	

* Facilities reporting storage only and their quantity managed are excluded.

Top Ten Wastes Managed*: D001, D039, D018, D040, D002, F003, F005, D008, D007, D006

* Based on the Federal hazardous waste codes most frequently reported, not the quantity managed. See Appendix D of the National Analysis for a description of these waste codes.

Top Three Management Methods

- The top three management methods used in Tennessee were: other disposal (1,390,310 tons), incineration (156,712 tons), and landfill (3,853 tons).

Tennessee Imports/Exports (As reported by Tennessee).

- The State that shipped the largest quantity of waste to Tennessee was Arkansas (3,981 tons).
- The State to which Tennessee shipped the largest quantity of waste was Utah (13,881 tons).

NOTE: Columns may not sum due to rounding.

Exclusion of wastewater from the 1999 National Biennial Report will make cursory comparisons of the 1999 National Biennial Report to National Biennial Reports prior to 1997 misleading. Refer to Executive Summary (ES-2) for a complete explanation.

TEXAS

1999 WASTE GENERATION

907	**Total Number of RCRA Large Quantity Generators (LQGs)**

14,923,520 Tons	**Total Quantity of RCRA Hazardous Waste Generated**

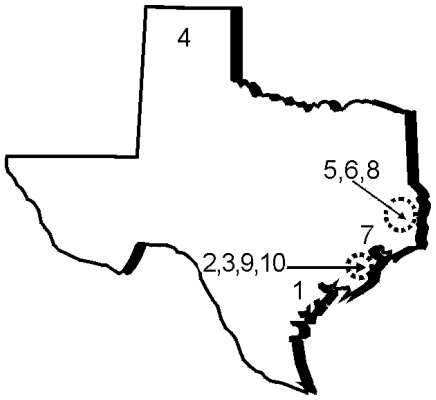


Table 1

Ten Largest RCRA Hazardous Waste Generators and Quantity Generated (tons), 1999

	Site Name	*City*	*Tons of Waste Generated*	*EPA ID*
1	DU PONT DE NEMOURS & CO., E.I.	VICTORIA	2,953,867	TXD008123317
2	AMOCO OIL COMPANY	TEXAS CITY	2,446,339	TXD008080533
3	SOLUTIA, INC.	ALVIN	2,382,761	TXD001700806
4	DIAMOND SHAMROCK REFINING COMPANY, L.P.	SUNRAY	1,347,628	TXD059685339
5	E.I. DUPONT DE NEMOURS & COMPANY	BEAUMONT	1,311,309	TXD008081101
6	E.I. DUPONT DE NEMOURS & COMPANY	ORANGE	826,987	TXD008079642
7	MERISOL USA LLC	HOUSTON	519,891	TXD008106999
8	LYONDELL CHEMICAL COMPANY	CHANNELVIEW	472,711	TXD083472266
9	CELANESE LTD.	PASADENA	326,148	TXD078432457
10	BASF CORPORATION	FREEPORT	286,155	TXD008081697
	TOTAL		**12,873,796**	

Top Ten Wastes Generated*: D001, D002, D007, F003, D018, D008, F005, D006, D035, D009

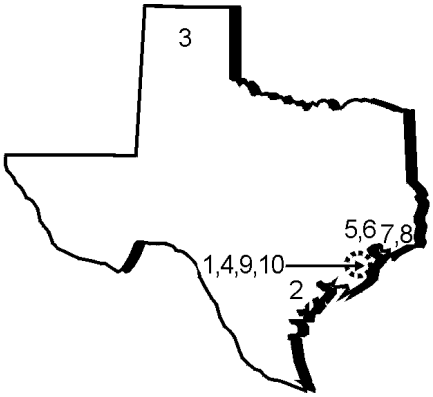
* Based on the Federal hazardous waste codes most frequently reported, not the quantity generated. See Appendix D of the National Analysis for a description of these waste codes.

Table 2

Quantity of Generated Waste (tons) that Was Only a Characteristic Waste, Only a Listed Waste or Both Characteristic and Listed Waste, 1999

Only Characteristic		Only Listed		Both Characteristic & Listed	
Ignitable	244,188	F Waste	52,875		
Corrosive	252,175	K Waste	1,111,460		
Reactive	4,714	P Waste	103		
Toxic (D004-17)	167,689	U Waste	299,506		
Toxic (D018-43)	3,915,994				
Characteristic Mixed	5,539,157	Listed Mixed	77,144		
TOTAL	**10,123,917**	**TOTAL**	**1,541,089**	**TOTAL Char. & Listed**	**3,258,514**

Exclusion of wastewater from the 1999 National Biennial Report will make cursory comparisons of the 1999 National Biennial Report to National Biennial Reports prior to 1997 misleading. Refer to Executive Summary (ES-2) for a complete explanation.



TEXAS

1999 WASTE MANAGEMENT

105	**Total Number of RCRA TSD Facilities**
5,806,458 Tons	**Total Quantity of RCRA Hazardous Waste Managed**

Table 3

Ten Largest RCRA Hazardous Waste Managers and Quantity Managed (tons), 1999

	Site Name	*City*	*Tons of Waste Managed**	*EPA ID*
1	SOLUTIA, INC.	ALVIN	1,114,318	TXD001700806
2	DU PONT DE NEMOURS & CO., E.I.	VICTORIA	1,066,617	TXD008123317
3	DIAMOND SHAMROCK REFINING COMPANY, L.P.	SUNRAY	661,237	TXD059685339
4	AMOCO OIL COMPANY	TEXAS CITY	554,622	TXD008080533
5	LYONDELL CHEMICAL COMPANY	CHANNELVIEW	324,872	TXD083472266
6	CELANESE LTD.	PASADENA	303,916	TXD078432457
7	E.I. DUPONT DE NEMOURS & COMPANY	BEAUMONT	299,990	TXD008081101
8	CHEMICAL WASTE MANAGEMENT, INC.	PORT ARTHUR	293,487	TXR000036251
9	DISPOSAL SYSTEMS INC.	DEER PARK	197,235	TXD000719518
10	STERLING CHEMICALS, INC.	TEXAS CITY	135,766	TXD008079527
	TOTAL		**4,952,059**	

* Facilities reporting storage only and their quantity managed are excluded.

Top Ten Wastes Managed*: D001, D018, D039, F003, F005, D040, D007, D035, D008, D006

* Based on the Federal hazardous waste codes most frequently reported, not the quantity managed. See Appendix D of the National Analysis for a description of these waste codes.

Top Three Management Methods

- The top three management methods used in Texas were: deepwell / underground injection (4,781,153 tons), energy recovery (526,045 tons), and incineration (166,957 tons).

Texas Imports/Exports (As reported by Texas).

- The State that shipped the largest quantity of waste to Texas was Louisiana (67,848 tons).
- The State to which Texas shipped the largest quantity of waste was Louisiana (88,522 tons).

NOTE: Columns may not sum due to rounding.

Exclusion of wastewater from the 1999 National Biennial Report will make cursory comparisons of the 1999 National Biennial Report to National Biennial Reports prior to 1997 misleading. Refer to Executive Summary (ES-2) for a complete explanation.

TRUST TERRITORIES

1999 WASTE GENERATION

4	**Total Number of RCRA Large Quantity Generators (LQGs)**

827 Tons	**Total Quantity of RCRA Hazardous Waste Generated**

Table 1

Largest RCRA Hazardous Waste Generators and Quantity Generated (tons), 1999

	Site Name	*City*	*Tons of Waste Generated*	*EPA ID*
1	USARMY CHEMICAL ACTIVITY PACIFIC/JACADS	JOHNSTON ATOLL	708	TT0570090001
2	USARMY KWAJALEIN ATOLL	REPUBLIC OF MARSHALL	49	TT5210090002
3	USAF WAKE ISLAND AIR FIELD	WAKE ISLAND	40	TTD987866035
4	USAF DETACHMENT 1 15TH AIR BASE WING	APO	30	TT9570090002
	TOTAL		**827**	

Top Ten Wastes Generated*: D001, D008, D003, D007, D006, D009, D002, D035, D018, F002

* Based on the Federal hazardous waste codes most frequently reported, not the quantity generated. See Appendix D of the National Analysis for a description of these waste codes.

Table 2

Quantity of Generated Waste (tons) that Was Only a Characteristic Waste, Only a Listed Waste or Both Characteristic and Listed Waste, 1999

Only Characteristic		Only Listed		Both Characteristic & Listed	
Ignitable	10	F Waste	1		
Corrosive	0	K Waste	0		
Reactive	202	P Waste	0		
Toxic (D004-17)	497	U Waste	0		
Toxic (D018-43)	1				
Characteristic Mixed	76	Listed Mixed	0		
TOTAL	**786**	**TOTAL**	**1**	**TOTAL Char. & Listed**	**40**

Exclusion of wastewater from the 1999 National Biennial Report will make cursory comparisons of the 1999 National Biennial Report to National Biennial Reports prior to 1997 misleading. Refer to Executive Summary (ES-2) for a complete explanation.

TRUST TERRITORIES

1999 WASTE MANAGEMENT

1	**Total Number of RCRA TSD Facilities**

185 Tons	**Total Quantity of RCRA Hazardous Waste Managed**

Table 3

Largest RCRA Hazardous Waste Managers and Quantity Managed (tons), 1999

	Site Name	*City*	*Tons of Waste Managed**	*EPA ID*
1	USARMY CHEMICAL ACTIVITY PACIFIC/JACADS	JOHNSTON ATOLL	185	TT0570090001
	TOTAL		**185**	

* Facilities reporting storage only and their quantity managed are excluded.

Top Wastes Managed*: D003, D002

* Based on the Federal hazardous waste codes most frequently reported, not the quantity managed. See Appendix D of the National Analysis for a description of these waste codes.

Top Management Method

- The top management method used in Trust Territories was incineration (185 tons).

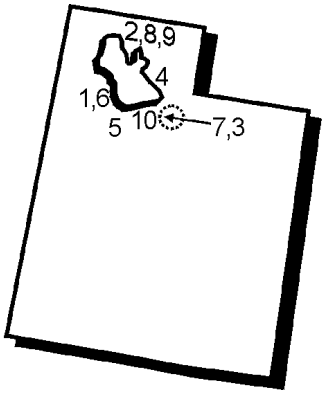
Trust Territories Imports/Exports (As reported by Trust Territories).

- Trust Territories did not receive RCRA hazardous wastes from any other State.
- The State to which Trust Territories shipped the largest quantity of waste was California (526 tons).

NOTE: Columns may not sum due to rounding.

Exclusion of wastewater from the 1999 National Biennial Report will make cursory comparisons of the 1999 National Biennial Report to National Biennial Reports prior to 1997 misleading. Refer to Executive Summary (ES-2) for a complete explanation.

UTAH



1999 WASTE GENERATION

91	**Total Number of RCRA Large Quantity Generators (LQGs)**

80,427 Tons	**Total Quantity of RCRA Hazardous Waste Generated**

Table 1

Ten Largest RCRA Hazardous Waste Generators and Quantity Generated (tons), 1999

	Site Name	*City*	*Tons of Waste Generated*	*EPA ID*
1	SAFETY-KLEEN (ARAGONITE)	ARAGONITE	31,056	UTD981552177
2	NUCOR STEEL	PLYMOUTH	17,475	UTD021533054
3	DEFENSE DEPOT HILL, UTAH	OGDEN	6,911	UT9210020922
4	DESERET CHEMICAL DEPOT	TOOELE	6,632	UT5210090002
5	SAFETY-KLEEN, INC. (CLIVE)	CLIVE	2,799	UTD982595795
6	ALLIANT AEROSPACE COMPANY - BACCHUS	WEST VALLEY CITY	2,026	UTD001705029
7	PROMONTORY, THIOKOL PROPULSION	CORINNE	1,627	UTD009081357
8	TYCO PRINTED CURCUIT GROUP	LOGAN	1,449	UTD073010902
9	KENNECOTT UTAH COPPER - SMELTER	MAGNA	1,325	UTD000826446
10	COMPEQ INTERNATIONAL	SALT LAKE CITY	1,096	UTD988070215
	TOTAL		**72,396**	

Top Ten Wastes Generated*: D001, D008, D007, F003, D006, F005, D002, D004, F002, D005

* Based on the Federal hazardous waste codes most frequently reported, not the quantity generated. See Appendix D of the National Analysis for a description of these waste codes.

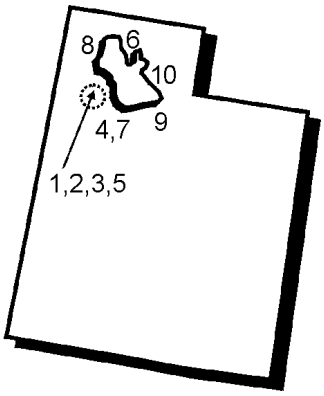
Table 2

Quantity of Generated Waste (tons) that Was Only a Characteristic Waste, Only a Listed Waste or Both Characteristic and Listed Waste, 1999

Only Characteristic		Only Listed		Both Characteristic & Listed	
Ignitable	204	F Waste	8,252		
Corrosive	1,123	K Waste	17,710		
Reactive	1,340	P Waste	77		
Toxic (D004-17)	4,153	U Waste	9		
Toxic (D018-43)	108				
Characteristic Mixed	8,717	Listed Mixed	3,103		
TOTAL	**15,646**	**TOTAL**	**29,151**	**TOTAL Char. & Listed**	**35,630**

Exclusion of wastewater from the 1999 National Biennial Report will make cursory comparisons of the 1999 National Biennial Report to National Biennial Reports prior to 1997 misleading. Refer to Executive Summary (ES-2) for a complete explanation.

UTAH



1999 WASTE MANAGEMENT

27	**Total Number of RCRA TSD Facilities**
156,799 Tons	**Total Quantity of RCRA Hazardous Waste Managed**

Table 3

Ten Largest RCRA Hazardous Waste Managers and Quantity Managed (tons), 1999

	Site Name	*City*	*Tons of Waste Managed**	*EPA ID*
1	SAFETY-KLEEN, INC. (LONE & GRASSY MTN.)	CLIVE	85,792	UTD991301748
2	SAFETY-KLEEN (ARAGONITE)	ARAGONITE	38,701	UTD981552177
3	ENVIROCARE OF UTAH	CLIVE	17,461	UTD982598898
4	DESERET CHEMICAL DEPOT	TOOELE	6,408	UT5210090002
5	SAFETY-KLEEN, INC. (CLIVE)	CLIVE	5,395	UTD982595795
6	PROMONTORY, THIOKOL PROPULSION	CORINNE	1,381	UTD009081357
7	TOOELE ARMY DEPOT	TOOELE	912	UT3213820894
8	UTAH TEST AND TRAINING RANGE	BOX ELDER COUNTY	457	UT0570090001
9	ALLIANT AEROSPACE COMPANY - BACCHUS	WEST VALLEY CITY	232	UTD001705029
10	ASHLAND CHEMICAL COMPANY	CLEARFIELD	60	UTD048406144
	TOTAL		**156,799**	

* Facilities reporting storage only and their quantity managed are excluded.

Top Ten Wastes Managed*: D001, D008, D007, D006, F003, D004, F005, D009, D005, D011

* Based on the Federal hazardous waste codes most frequently reported, not the quantity managed. See Appendix D of the National Analysis for a description of these waste codes.

Top Three Management Methods

- The top three management methods used in Utah were: landfill (56,638 tons), incineration (52,531 tons), and stabilization (46,623 tons).

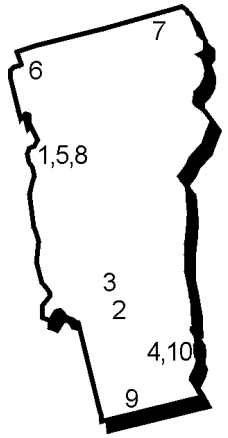
Utah Imports/Exports (As reported by Utah).

- The State that shipped the largest quantity of waste to Utah was New York (21,220 tons).
- The State to which Utah shipped the largest quantity of waste was Idaho (11,910 tons).

NOTE: Columns may not sum due to rounding.

Exclusion of wastewater from the 1999 National Biennial Report will make cursory comparisons of the 1999 National Biennial Report to National Biennial Reports prior to 1997 misleading. Refer to Executive Summary (ES-2) for a complete explanation.

VERMONT



1999 WASTE GENERATION

65	**Total Number of RCRA Large Quantity Generators (LQGs)**

5,275 Tons	**Total Quantity of RCRA Hazardous Waste Generated**

Table 1

Ten Largest RCRA Hazardous Waste Generators and Quantity Generated (tons), 1999

	Site Name	*City*	*Tons of Waste Generated*	*EPA ID*
1	IBM CORPORATION	ESSEX JUNCTION	3,318	VTD002084705
2	GE AIRCRAFT ENGINES	NORTH CLARENDON	537	VTD001075894
3	GE AIRCRAFT ENGINES	RUTLAND	189	VTD002085108
4	C.E. BRADLEY LABORATORIES, INC.	BRATTLEBORO	182	VTD001086529
5	FERCO BIOMASS GASIFIER	BURLINGTON	98	VTR000007229
6	MYLAN TECHNOLOGIES, INC.	ST. ALBANS	87	VTD099682494
7	ETHAN ALLEN, INC.	ORLEANS	81	VTD001082841
8	SEVERN TRENT LABORATORIES	COLCHESTER	64	VTD988366167
9	EVEREADY BATTERY CO., INC.	BENNINGTON	58	VTD002065597
10	VERMONT CIRCUITS, INC.	BRATTLEBORO	40	VTD980670319
	TOTAL		**4,655**	

Top Ten Wastes Generated*: D001, D008, F003, D002, F005, D007, D035, D018, D009, D006

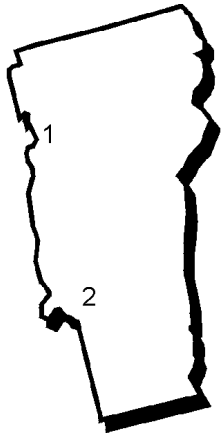
* Based on the Federal hazardous waste codes most frequently reported, not the quantity generated. See Appendix D of the National Analysis for a description of these waste codes.

Table 2

Quantity of Generated Waste (tons) that Was Only a Characteristic Waste, Only a Listed Waste or Both Characteristic and Listed Waste, 1999

Only Characteristic		Only Listed		Both Characteristic & Listed	
Ignitable	199	F Waste	2,418		
Corrosive	79	K Waste	0		
Reactive	9	P Waste	1		
Toxic (D004-17)	344	U Waste	0		
Toxic (D018-43)	109				
Characteristic Mixed	309	Listed Mixed	774		
TOTAL	**1,049**	**TOTAL**	**3,193**	**TOTAL Char. & Listed**	**1,034**

Exclusion of wastewater from the 1999 National Biennial Report will make cursory comparisons of the 1999 National Biennial Report to National Biennial Reports prior to 1997 misleading. Refer to Executive Summary (ES-2) for a complete explanation.



VERMONT

1999 WASTE MANAGEMENT

7	**Total Number of RCRA TSD Facilities**

4 Tons	**Total Quantity of RCRA Hazardous Waste Managed**

Table 3

Largest RCRA Hazardous Waste Managers and Quantity Managed (tons), 1999

	Site Name	*City*	*Tons of Waste Managed**	*EPA ID*
1	HERITAGE ENVIR SERV, LLC - WILLISTON	WILLISTON	3	VTD982766537
2	CENTRAL VERMONT PUBIC SERVICE CORP.	RUTLAND	1	VTD007939614
	TOTAL		**4**	

* Facilities reporting storage only and their quantity managed are excluded.

Top Wastes Managed*: D001, F001, F002, F003, D007, D008, F005, D018, D035

* Based on the Federal hazardous waste codes most frequently reported, not the quantity managed. See Appendix D of the National Analysis for a description of these waste codes.

Top Three Management Methods

- The top three management methods used in Vermont were: fuel blending (2 tons), other recovery (1 tons), and energy recovery (1 tons).

Vermont Imports/Exports (As reported by Vermont).

- The State that shipped the largest quantity of waste to Vermont was Massachusetts (487 tons).
- The State to which Vermont shipped the largest quantity of waste was New York (3,300 tons).

NOTE: Columns may not sum due to rounding.

Exclusion of wastewater from the 1999 National Biennial Report will make cursory comparisons of the 1999 National Biennial Report to National Biennial Reports prior to 1997 misleading. Refer to Executive Summary (ES-2) for a complete explanation.

VIRGIN ISLANDS

1999 WASTE GENERATION

1	Total Number of RCRA Large Quantity Generators (LQGs)
12,511 Tons	Total Quantity of RCRA Hazardous Waste Generated

Table 1

Largest RCRA Hazardous Waste Generators and Quantity Generated (tons), 1999

	Site Name	*City*	*Tons of Waste Generated*	*EPA ID*
1	HOVENSA LLC (FORMERLY HESS OIL VI)	CHRISTIANSTED	12,511	VID980536080
	TOTAL		**12,511**	

Top Ten Wastes Generated*: D018, D001, F038, K049, K051, D007, D008, D009, F037, K050

* Based on the Federal hazardous waste codes most frequently reported, not the quantity generated. See Appendix D of the National Analysis for a description of these waste codes.

Table 2

Quantity of Generated Waste (tons) that Was Only a Characteristic Waste, Only a Listed Waste or Both Characteristic and Listed Waste, 1999

Only Characteristic		Only Listed		Both Characteristic & Listed	
Ignitable	1	F Waste	85		
Corrosive	0	K Waste	318		
Reactive	0	P Waste	0		
Toxic (D004-17)	193	U Waste	0		
Toxic (D018-43)	79				
Characteristic Mixed	67	Listed Mixed	11,400		
TOTAL	**340**	**TOTAL**	**11,803**	**TOTAL Char. & Listed**	**368**

Exclusion of wastewater from the 1999 National Biennial Report will make cursory comparisons of the 1999 National Biennial Report to National Biennial Reports prior to 1997 misleading. Refer to Executive Summary (ES-2) for a complete explanation.

VIRGIN ISLANDS

1999 WASTE MANAGEMENT

1	**Total Number of RCRA TSD Facilities**

11,400 Tons	**Total Quantity of RCRA Hazardous Waste Managed**

Table 3

Largest RCRA Hazardous Waste Managers and Quantity Managed (tons), 1999

	Site Name	*City*	*Tons of Waste Managed**	*EPA ID*
1	HOVENSA LLC (FORMERLY HESS OIL VI)	CHRISTIANSTED	11,400	VID980536080
	TOTAL		**11,400**	

* Facilities reporting storage only and their quantity managed are excluded.

Top Wastes Managed*: F038, K049, K051

* Based on the Federal hazardous waste codes most frequently reported, not the quantity managed. See Appendix D of the National Analysis for a description of these waste codes.

Top Management Method

- The top management method used in Virgin Islands was land treatment / application / farming (11,400 tons).

Virgin Islands Imports/Exports (As reported by Virgin Islands).

- Virgin Islands did not receive RCRA hazardous wastes from any other State.
- The State to which Virgin Islands shipped the largest quantity of waste was Texas (712 tons).

NOTE: Columns may not sum due to rounding.

Exclusion of wastewater from the 1999 National Biennial Report will make cursory comparisons of the 1999 National Biennial Report to National Biennial Reports prior to 1997 misleading. Refer to Executive Summary (ES-2) for a complete explanation.

VIRGINIA

1999 WASTE GENERATION

332	**Total Number of RCRA Large Quantity Generators (LQGs)**

121,787 Tons	**Total Quantity of RCRA Hazardous Waste Generated**

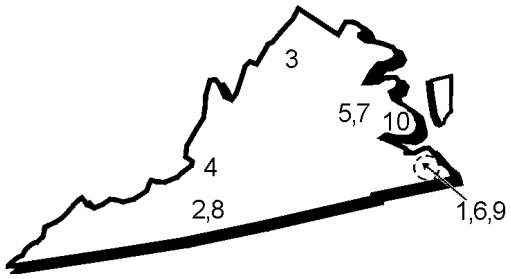


Table 1

Ten Largest RCRA Hazardous Waste Generators and Quantity Generated (tons), 1999

	Site Name	*City*	*Tons of Waste Generated*	*EPA ID*
1	PNEUMO ABEX CORPORATION	PORTSMOUTH	27,530	VAD003174836
2	GIANT RESOURCE RECOVERY, INC. , CASCADE	CASCADE	20,735	VAD077942266
3	E.I. DUPONT DE NEMOURS	FRONT ROYAL	7,680	VAD980554539
4	ROANOKE ELECTRIC STEEL CORPORATION	ROANOKE	7,103	VAD003122553
5	HONEYWELL INTERNATIONAL - HOPEWELL	HOPEWELL	5,626	VAD065385296
6	NAVAL AMPHIB. BASE LITTLE CREEK	VIRGINIA BEACH	4,599	VA5170022482
7	PHILLIP MORRIS USA, MFG CTR	RICHMOND	4,514	VAD000819466
8	PRILLAMAN CHEMICAL CORP.	MARTINSVILLE	3,134	VAD003111416
9	NEWPORT NEWS SHIPBUILDING	NEWPORT NEWS	3,003	VAD001307495
10	GREYSTONE OF VIRGINIA	TOANO	2,708	VAD988211850
	TOTAL		**86,631**	

Top Ten Wastes Generated*: D001, D008, F003, D007, F005, D002, D035, D009, F002, D006

* Based on the Federal hazardous waste codes most frequently reported, not the quantity generated. See Appendix D of the National Analysis for a description of these waste codes.

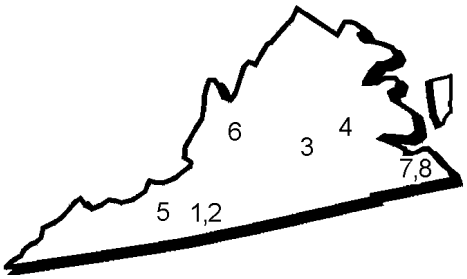
Table 2

Quantity of Generated Waste (tons) that Was Only a Characteristic Waste, Only a Listed Waste or Both Characteristic and Listed Waste, 1999

Only Characteristic		Only Listed		Both Characteristic & Listed	
Ignitable	6,154	F Waste	9,741		
Corrosive	2,299	K Waste	9,520		
Reactive	49	P Waste	13		
Toxic (D004-17)	39,198	U Waste	42		
Toxic (D018-43)	319				
Characteristic Mixed	11,146	Listed Mixed	266		
TOTAL	**59,166**	**TOTAL**	**19,582**	**TOTAL Char. & Listed**	**42,988**

Exclusion of wastewater from the 1999 National Biennial Report will make cursory comparisons of the 1999 National Biennial Report to National Biennial Reports prior to 1997 misleading. Refer to Executive Summary (ES-2) for a complete explanation.

VIRGINIA



1999 WASTE MANAGEMENT

43	**Total Number of RCRA TSD Facilities**
70,587 Tons	**Total Quantity of RCRA Hazardous Waste Managed**

Table 3

Largest RCRA Hazardous Waste Managers and Quantity Managed (tons), 1999

	Site Name	*City*	*Tons of Waste Managed**	*EPA ID*
1	PRILLAMAN CHEMICAL CORP.	MARTINSVILLE	23,792	VAD003111416
2	SOLITE CORPORATION, VIRGINIA SOLITE DIV	CASCADE	20,656	VAD046970521
3	SOLITE CORPORATION	ARVONIA	20,327	VAD042755082
4	HONEYWELL INTERNATIONAL - HOPEWELL	HOPEWELL	5,466	VAD065385296
5	RADFORD ARMY AMMUNITION PLANT	RADFORD	337	VA1210020730
6	LOFTON CORPORATION	RAPHINE	9	VAD980831283
7	COMMANDER NAVAL BASE, NORFOLK	NORFOLK	0	VA6170061463
8	COMMANDER, NORFOLK NAVEAL SHIPYARD	PORTSMOUTH	0	VA1170024813
	TOTAL		**70,587**	

* Facilities reporting storage only and their quantity managed are excluded.

Top Ten Wastes Managed*: D001, F003, F005, D008, D007, D035, D005, D003, D006, D009

* Based on the Federal hazardous waste codes most frequently reported, not the quantity managed. See Appendix D of the National Analysis for a description of these waste codes.

Top Three Management Methods

- The top three management methods used in Virginia were: energy recovery (40,983 tons), solvents recovery (23,792 tons), and incineration (5,803 tons).

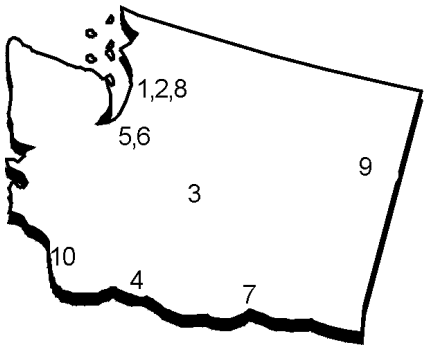
Virginia Imports/Exports (As reported by Virginia).

- The State that shipped the largest quantity of waste to Virginia was North Carolina (65,198 tons).
- The State to which Virginia shipped the largest quantity of waste was South Carolina (10,807 tons).

NOTE: Columns may not sum due to rounding.

Exclusion of wastewater from the 1999 National Biennial Report will make cursory comparisons of the 1999 National Biennial Report to National Biennial Reports prior to 1997 misleading. Refer to Executive Summary (ES-2) for a complete explanation.

WASHINGTON



1999 WASTE GENERATION

545	**Total Number of RCRA Large Quantity Generators (LQGs)**

91,245 Tons	**Total Quantity of RCRA Hazardous Waste Generated**

Table 1

Ten Largest RCRA Hazardous Waste Generators and Quantity Generated (tons), 1999

	Site Name	*City*	*Tons of Waste Generated*	*EPA ID*
1	USN PSNS BREMERTON	BREMERTON	13,515	WA2170023418
2	BIRMINGHAM STEEL CORP	SEATTLE	10,540	WAD988487583
3	ALCOA INC WENATCHEE WORKS	MALAGA	5,353	WAD009270794
4	GOLDENDALE ALUMINUM CO	GOLDENDALE	4,696	WAD990828642
5	EMERALD SERVICES INC	TACOMA	4,498	WAD981769110
6	KAISER ALUMINUM TACOMA WORKS	TACOMA	4,440	WAD001882984
7	US DOE HANFORD FACILITY	RICHLAND	4,238	WA7890008967
8	BOEING PLANT 2	SEATTLE	3,538	WAD009256819
9	KAISER ALUMINUM MEAD WORKS	MEAD	3,219	WAD000065508
10	VANALCO	VANCOUVER	3,208	WAD981766751
	TOTAL		**57,244**	

Top Ten Wastes Generated*: D001, D008, D007, D006, D005, F003, D002, F005, D035, D018

* Based on the Federal hazardous waste codes most frequently reported, not the quantity generated. See Appendix D of the National Analysis for a description of these waste codes.

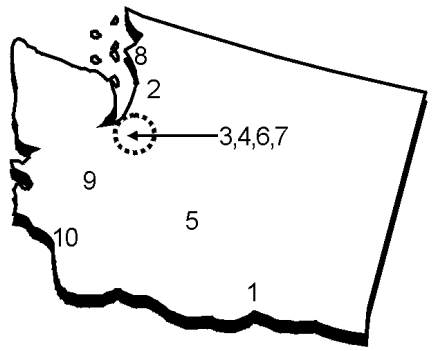
Table 2

Quantity of Generated Waste (tons) that Was Only a Characteristic Waste, Only a Listed Waste or Both Characteristic and Listed Waste, 1999

Only Characteristic		Only Listed		Both Characteristic & Listed	
Ignitable	771	F Waste	5,843		
Corrosive	387	K Waste	35,443		
Reactive	57	P Waste	3		
Toxic (D004-17)	23,155	U Waste	3,490		
Toxic (D018-43)	610				
Characteristic Mixed	4,446	Listed Mixed	444		
TOTAL	**29,427**	**TOTAL**	**45,223**	**TOTAL Char. & Listed**	**16,595**

Exclusion of wastewater from the 1999 National Biennial Report will make cursory comparisons of the 1999 National Biennial Report to National Biennial Reports prior to 1997 misleading. Refer to Executive Summary (ES-2) for a complete explanation.

WASHINGTON



1999 WASTE MANAGEMENT

23	**Total Number of RCRA TSD Facilities**
27,371 Tons	**Total Quantity of RCRA Hazardous Waste Managed**

Table 3

Ten Largest RCRA Hazardous Waste Managers and Quantity Managed (tons), 1999

	Site Name	*City*	*Tons of Waste Managed**	*EPA ID*
1	US DOE HANFORD FACILITY	RICHLAND	11,067	WA7890008967
2	BURLINGTON ENVIRONMENTAL INC GEORGE	SEATTLE	5,226	WAD000812909
3	EMERALD SERVICES INC	TACOMA	4,353	WAD981769110
4	BURLINGTON ENVIRONMENTAL INC KENT	KENT	3,989	WAD991281767
5	BAY ZINC CO INC	MOXEE CITY	2,520	WAD027530526
6	BURLINGTON ENVIRONMENTAL INC TACOMA	TACOMA	128	WAD020257945
7	MCCLARY COLUMBIA CORP TACOMA	TACOMA	49	WAH000003111
8	HALLMARK REFINING CORP	MOUNT VERNON	36	WAD980976906
9	USARMY HQ I CORPS & FORT LEWIS	FT LEWIS	0	WA9214053465
10	US DOE BPA ROSS COMPLEX	VANCOUVER	0	WA1891406349
	TOTAL		**27,370**	

* Facilities reporting storage only and their quantity managed are excluded.

Top Ten Wastes Managed*: D001, F003, D008, F005, D007, D035, D006, D018, D005, D003

* Based on the Federal hazardous waste codes most frequently reported, not the quantity managed. See Appendix D of the National Analysis for a description of these waste codes.

Top Three Management Methods

- The top three management methods used in Washington were: landfill (11,067 tons), fuel blending (9,907 tons), and stabilization (3,021 tons).

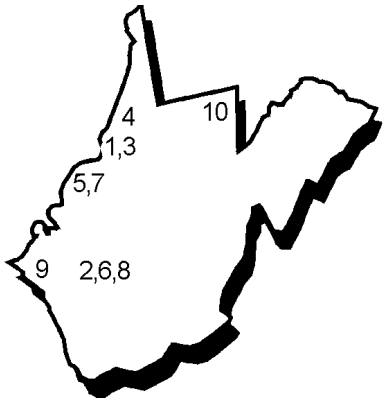
Washington Imports/Exports (As reported by Washington).

- The State that shipped the largest quantity of waste to Washington was Oregon (4,439 tons).
- The State to which Washington shipped the largest quantity of waste was Oregon (38,362 tons).

NOTE: Columns may not sum due to rounding.

Exclusion of wastewater from the 1999 National Biennial Report will make cursory comparisons of the 1999 National Biennial Report to National Biennial Reports prior to 1997 misleading. Refer to Executive Summary (ES-2) for a complete explanation.

WEST VIRGINIA



1999 WASTE GENERATION

139	**Total Number of RCRA Large Quantity Generators (LQGs)**
92,503 Tons	**Total Quantity of RCRA Hazardous Waste Generated**

Table 1

Ten Largest RCRA Hazardous Waste Generators and Quantity Generated (tons), 1999

	Site Name	*City*	*Tons of Waste Generated*	*EPA ID*
1	CK WITCO CORPORATION - FRIENDLY	FRIENDLY	21,631	WVD004325353
2	RHONE-POULENC INSTITUTE PLANT	INSTITUTE	18,850	WVD005005509
3	CYTEC INDUSTRIES, WILLOW ISLAND PLANT	WILLOW ISLAND	11,929	WVD004341491
4	BAYER CORP.	NEW MARTINSVILLE	6,162	WVD056866312
5	DUPONT - WASHINGTON WORKS	WASHINGTON	5,130	WVD045875291
6	UCC - SOUTH CHARLESTON	SOUTH CHARLESTON	3,252	WVD005005483
7	CENTURY ALUMINUM OF WV, INC.	RAVENSWOOD	2,940	WVR000016469
8	KANAWHA MOTIVE POWER - USEPA	MONTGOMERY	2,352	WVD092809672
9	SWVA, INC.	HUNTINGTON	2,230	WVD072667801
10	SHEIDOW BRONZE CORPORATION	KINGWOOD	1,997	WVD045879087
	TOTAL		**76,473**	

Top Ten Wastes Generated*: D001, F003, F005, D018, D002, D008, D007, D035, D003, D039

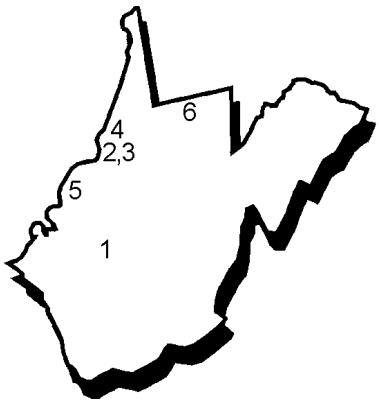
* Based on the Federal hazardous waste codes most frequently reported, not the quantity generated. See Appendix D of the National Analysis for a description of these waste codes.

Table 2

Quantity of Generated Waste (tons) that Was Only a Characteristic Waste, Only a Listed Waste or Both Characteristic and Listed Waste, 1999

Only Characteristic		Only Listed		Both Characteristic & Listed	
Ignitable	2,788	F Waste	1,174		
Corrosive	573	K Waste	8,277		
Reactive	41	P Waste	1		
Toxic (D004-17)	4,774	U Waste	892		
Toxic (D018-43)	1,396				
Characteristic Mixed	15,923	Listed Mixed	27,488		
TOTAL	**25,495**	**TOTAL**	**37,832**	**TOTAL Char. & Listed**	**29,139**

Exclusion of wastewater from the 1999 National Biennial Report will make cursory comparisons of the 1999 National Biennial Report to National Biennial Reports prior to 1997 misleading. Refer to Executive Summary (ES-2) for a complete explanation.



WEST VIRGINIA

1999 WASTE MANAGEMENT

22	**Total Number of RCRA TSD Facilities**

55,017 Tons	**Total Quantity of RCRA Hazardous Waste Managed**

Table 3

Largest RCRA Hazardous Waste Managers and Quantity Managed (tons), 1999

	Site Name	*City*	*Tons of Waste Managed**	*EPA ID*
1	RHONE-POULENC INSTITUTE PLANT	INSTITUTE	18,630	WVD005005509
2	CK WITCO CORPORATION - FRIENDLY	FRIENDLY	16,226	WVD004325353
3	CYTEC INDUSTRIES, WILLOW ISLAND PLANT	WILLOW ISLAND	8,475	WVD004341491
4	BAYER CORP.	NEW MARTINSVILLE	6,988	WVD056866312
5	DUPONT - WASHINGTON WORKS	WASHINGTON	4,622	WVD045875291
6	REGENERATION TECHNOLOGIES, INC.	MORGANTOWN	76	WVD981107600
	TOTAL		**55,017**	

* Facilities reporting storage only and their quantity managed are excluded.

Top Ten Wastes Managed*: D001, F005, F003, D018, D002, D003, F002, F039, U154, D021

* Based on the Federal hazardous waste codes most frequently reported, not the quantity managed. See Appendix D of the National Analysis for a description of these waste codes.

Top Three Management Methods

- The top three management methods used in West Virginia were: incineration (20,566 tons), energy recovery (18,151 tons), and landfill (16,288 tons).

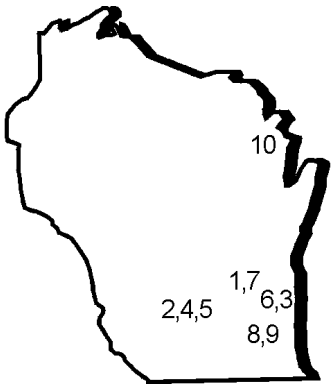
West Virginia Imports/Exports (As reported by West Virginia).

- The State that shipped the largest quantity of waste to West Virginia was Texas (4,110 tons).
- The State to which West Virginia shipped the largest quantity of waste was Ohio (14,170 tons).

NOTE: Columns may not sum due to rounding.

Exclusion of wastewater from the 1999 National Biennial Report will make cursory comparisons of the 1999 National Biennial Report to National Biennial Reports prior to 1997 misleading. Refer to Executive Summary (ES-2) for a complete explanation.

WISCONSIN



1999 WASTE GENERATION

540	**Total Number of RCRA Large Quantity Generators (LQGs)**

159,174 Tons	**Total Quantity of RCRA Hazardous Waste Generated**

Table 1

Ten Largest RCRA Hazardous Waste Generators and Quantity Generated (tons), 1999

	Site Name	*City*	*Tons of Waste Generated*	*EPA ID*
1	NATIONAL RIVET & MFG CO	WAUPUN	46,123	WID006069504
2	SCIENTIFIC PROTEIN LABORATORIES INC	WAUNAKEE	16,541	WID076151364
3	KOHLER COMPANY	KOHLER	15,699	WID006073225
4	HYDRITE CHEMICAL COMPANY	COTTAGE GROVE	7,639	WID000808824
5	US ARMY BADGER AMMUNITION PLANT	BARABOO	7,364	WI9210020054
6	CHARTER STEEL	SAUKVILLE	7,237	WID028877074
7	WELLS MFG CORP	FOND DU LAC	4,191	WID006070320
8	CRUCIBLE MATERIALS CORP TRENT TUBE PLT	EAST TROY	3,999	WID980570055
9	PPG INDUSTRIES INC	OAK CREEK	3,907	WID059972935
10	TYCO SUPPRESSION SYSTEMS - ANSUL	MARINETTE	3,526	WID006125215
	TOTAL		**116,226**	

Top Ten Wastes Generated*: D001, D002, F005, F003, D008, D009, D003, D007, F002, D039

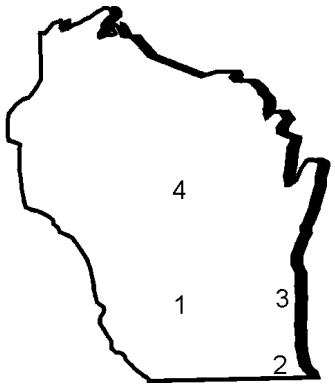
* Based on the Federal hazardous waste codes most frequently reported, not the quantity generated. See Appendix D of the National Analysis for a description of these waste codes.

Table 2

Quantity of Generated Waste (tons) that Was Only a Characteristic Waste, Only a Listed Waste or Both Characteristic and Listed Waste, 1999

Only Characteristic		Only Listed		Both Characteristic & Listed	
Ignitable	31,579	F Waste	30,623		
Corrosive	13,088	K Waste	8,330		
Reactive	100	P Waste	1		
Toxic (D004-17)	67,592	U Waste	47		
Toxic (D018-43)	7,814				
Characteristic Mixed	0	Listed Mixed	0		
TOTAL	**120,173**	**TOTAL**	**39,000**	**TOTAL Char. & Listed**	**0**

Exclusion of wastewater from the 1999 National Biennial Report will make cursory comparisons of the 1999 National Biennial Report to National Biennial Reports prior to 1997 misleading. Refer to Executive Summary (ES-2) for a complete explanation.



WISCONSIN

1999 WASTE MANAGEMENT

18	**Total Number of RCRA TSD Facilities**

6,671 Tons	**Total Quantity of RCRA Hazardous Waste Managed**

Table 3

Largest RCRA Hazardous Waste Managers and Quantity Managed (tons), 1999

	Site Name	*City*	*Tons of Waste Managed**	*EPA ID*
1	HYDRITE CHEMICAL COMPANY	COTTAGE GROVE	6,306	WID000808824
2	S C JOHNSON & SON INC (WAXDALE)	STURTEVANT	237	WID006091425
3	COOK COMPOSITES & POLYMERS CO	SAUKVILLE	82	WID980615439
4	VULCAN MATERIALS CO-VULCAN CHEMICALS DIV	PORT EDWARDS	47	WID046536231
	TOTAL		**6,671**	

* Facilities reporting storage only and their quantity managed are excluded.

Top Wastes Managed*: F005, F001, D001, F003, F002, D009, K106, U112

* Based on the Federal hazardous waste codes most frequently reported, not the quantity managed. See Appendix D of the National Analysis for a description of these waste codes.

Top Three Management Methods

- The top three management methods used in Wisconsin were: solvents recovery (6,238 tons), energy recovery (236 tons), and incineration (82 tons).

Wisconsin Imports/Exports (As reported by Wisconsin).

- The State that shipped the largest quantity of waste to Wisconsin was Illinois (3,309 tons).
- The State to which Wisconsin shipped the largest quantity of waste was Ohio (16,286 tons).

NOTE: Columns may not sum due to rounding.

Exclusion of wastewater from the 1999 National Biennial Report will make cursory comparisons of the 1999 National Biennial Report to National Biennial Reports prior to 1997 misleading. Refer to Executive Summary (ES-2) for a complete explanation.

WYOMING

1999 WASTE GENERATION

22	**Total Number of RCRA Large Quantity Generators (LQGs)**

4,746 Tons	**Total Quantity of RCRA Hazardous Waste Generated**

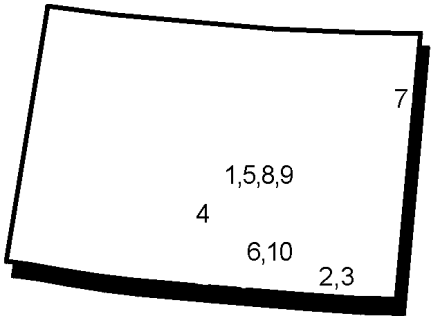


Table 1

Ten Largest RCRA Hazardous Waste Generators and Quantity Generated (tons), 1999

	Site Name	*City*	*Tons of Waste Generated*	*EPA ID*
1	TEXACO REFINING & MARKETING INC	EVANSVILLE	1,981	WYD088677943
2	TETRA MICRONUTRIENTS, INC.	CHEYENNE	988	WYR000000737
3	FRONTIER REFINING INC.	CHEYENNE	819	WYD051843613
4	SINCLAIR OIL CORPORATION	SINCLAIR	268	WYD079959185
5	AMOCO OIL COMPANY FORMER CASPER REFINER	CASPER	207	WYD007064447
6	NEDLOG TECHNOLOGY GROUP	LARAMIE	206	WY0000029249
7	NEWCASTLE REFINERY	NEWCASTLE	80	WYD043705102
8	SINCLAIR CASPER PIPELINE STATION	CASPER	59	WY0000082743
9	SINCLAIR - CASPER REFINERY	CASPER	33	WYD048743009
10	UNION PACIFIC RAILROAD TIMBER TRT PLANT	LARAMIE	30	WYD061112470
	TOTAL		**4,670**	

Top Ten Wastes Generated*: D001, D008, D018, D007, F003, F005, D006, D002, D009, D005

* Based on the Federal hazardous waste codes most frequently reported, not the quantity generated. See Appendix D of the National Analysis for a description of these waste codes.

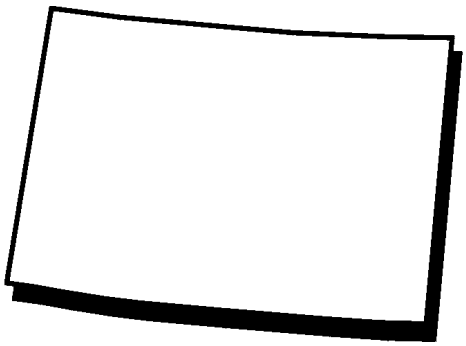
Table 2

Quantity of Generated Waste (tons) that Was Only a Characteristic Waste, Only a Listed Waste or Both Characteristic and Listed Waste, 1999

Only Characteristic		Only Listed		Both Characteristic & Listed	
Ignitable	4	F Waste	1,504		
Corrosive	1	K Waste	913		
Reactive	0	P Waste	0		
Toxic (D004-17)	2,176	U Waste	0		
Toxic (D018-43)	50				
Characteristic Mixed	69	Listed Mixed	0		
TOTAL	**2,299**	**TOTAL**	**2,417**	**TOTAL Char. & Listed**	**29**

Exclusion of wastewater from the 1999 National Biennial Report will make cursory comparisons of the 1999 National Biennial Report to National Biennial Reports prior to 1997 misleading. Refer to Executive Summary (ES-2) for a complete explanation.

WYOMING



1999 WASTE MANAGEMENT

2	Total Number of RCRA TSD Facilities
0 Tons	Total Quantity of RCRA Hazardous Waste Managed

Top Management Method

- There were no facilities* in Wyoming that reported managing (treating or disposing) RCRA hazardous waste.

  * Because quantity managed only by storage was excluded, facilities managing by storage only were not listed.

Wyoming Imports/Exports (As reported by Wyoming).

- Wyoming did not receive RCRA hazardous wastes from any other State.
- The State to which Wyoming shipped the largest quantity of waste was Texas (1,614 tons).

NOTE: Columns may not sum due to rounding.

Exclusion of wastewater from the 1999 National Biennial Report will make cursory comparisons of the 1999 National Biennial Report to National Biennial Reports prior to 1997 misleading. Refer to Executive Summary (ES-2) for a complete explanation.

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