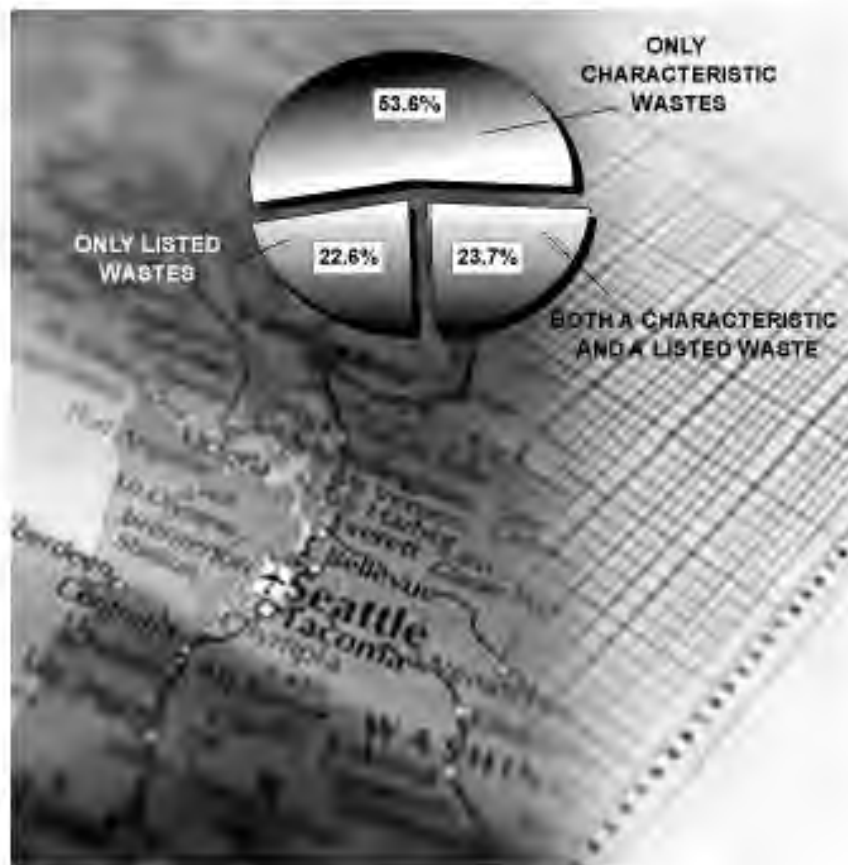


EPA State Detail Analysis

The National Biennial RCRA Hazardous Waste Report (Based on 1997 Data)



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CONTENTS

EXECUTIVE SUMMARY	ES-1
ALABAMA	1
ALASKA	9
ARIZONA	17
ARKANSAS	25
CALIFORNIA	33
COLORADO	41
CONNECTICUT	49
DELAWARE	57
DISTRICT OF COLUMBIA	65
FLORIDA	71
GEORGIA	79
GUAM	87
HAWAII	93
IDAHO	101
ILLINOIS	109
INDIANA	117
IOWA	125
KANSAS	133
KENTUCKY	141
LOUISIANA	149
MAINE	157
MARYLAND	165
MASSACHUSETTS	173
MICHIGAN	181
MINNESOTA	189
MISSISSIPPI	197
MISSOURI	205
MONTANA	213
NAVAJO NATION	220
NEBRASKA	226
NEVADA	234
NEW HAMPSHIRE	242

NEW JERSEY	248
NEW MEXICO	256
NEW YORK	264
NORTH CAROLINA	272
NORTH DAKOTA	280
OHIO	288
OKLAHOMA	296
OREGON	304
PENNSYLVANIA	312
PUERTO RICO	320
RHODE ISLAND	328
SOUTH CAROLINA	336
SOUTH DAKOTA	344
TENNESSEE	351
TEXAS	359
TRUST TERRITORIES	367
UTAH	374
VERMONT	382
VIRGIN ISLANDS	389
VIRGINIA	396
WASHINGTON	404
WEST VIRGINIA	412
WISCONSIN	420
WYOMING	428

EPA Executive Summary

The National Biennial RCRA Hazardous Waste Report (Based on 1997 Data)



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EXECUTIVE SUMMARY

The United States Environmental Protection Agency (EPA), in partnership with the States¹, 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 1997 Data)* is to communicate the findings of EPA's 1997 Biennial Reporting System (BRS) data collection efforts to the public, government agencies, and the regulated community.² The Report consists of six volumes:

- **Executive Summary** provides an overview of national hazardous waste generation and management practices;
- **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;
- **State Summary Analysis** provides a two-page overview of the generation and management practices of individual States;
- **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;
- **List of Large Quantity Generators** identifies every hazardous waste generator in the United States that reported itself to be a large quantity generator in 1997; and
- **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 1997.

¹The 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.

²Some 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 BRS 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.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the 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-l.info/subch-l/>). Please refer to Appendix E of this Report for a complete list of EPA Hazardous Waste Codes used by the regulated community for their 1997 Biennial Report submissions. Details about the information submitted by the regulated community can be found in the *1997 Hazardous Waste Report Instructions and Forms* (<http://www.epa.gov/epaoswer/hazwaste/data/brsforms.htm>).

CHANGES TO 1997 BIENNIAL REPORTING REQUIREMENTS AND THE NATIONAL BIENNIAL REPORT DATA PRESENTED IN THIS REPORT

In accordance with EPA's efforts to reduce the record keeping and reporting burden on the regulated community, EPA streamlined the Federal data collection forms (*1997 Hazardous Waste Report Instructions and Forms*) for the 1997 Biennial Report cycle by eliminating the Process System (PS) Form. EPA would like to caution all readers of this Report that the change to eliminate the PS Form, along with the changes to the reporting requirements for aqueous wastes, commonly called wastewaters, managed in treatment systems regulated by the Clean Water Act (CWA) and not by the Resource Conservation and Recovery Act (RCRA), will make cursory comparisons of the 1997 National Biennial Report to earlier National Reports misleading.

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,

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

129; M134-136) are excluded from the National Report data and the 1997 National Biennial Report, **with one exception: wastewaters managed by System Type Code M134 (Deepwell/Underground Injection) are included in the 1997 National Biennial Report.** Refer to Appendix C and D for complete descriptions of the Form Codes and System Type Codes referenced above.

In previous National Reports, 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 1997 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.

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.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

All generators that reported LQG status in 1997 are required to provide EPA with 1997 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 some 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 1997, 20,316 LQGs reported they generated 40.7 million tons of RCRA hazardous waste. When comparing the 1995 National Biennial Report with the 1997 Report, the number of LQGs decreased by 551, and the quantity of hazardous waste generated decreased by 173 million tons or 81%. The decrease in national hazardous waste generation is due in large part to the exclusion of wastewaters from the 1997 national reporting logic. For a more detailed description of the wastewater exclusion, please refer to the section of the *Executive Summary* entitled "Changes to 1997 Biennial Reporting Requirements and the National Biennial Report Data Presented in this Report."

The wastewater exclusion will make cursory comparisons between the 1997 National Biennial Report and earlier National Reports misleading. To facilitate an accurate comparison, Appendix B of the *National Analysis* provides the 1995 National Biennial Report data *excluding wastewater* (i.e., the data was compiled using the same national reporting logic used to exclude wastewater data from the 1997 National Report). As presented in Exhibit B.1, 36.3 million tons

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

of non-wastewater wastes were generated in 1995; therefore, a more accurate picture of the change in national hazardous waste generation between 1995 and 1997 is an increase of 4.4 million tons or 11%. Much of this increase resulted from a change in a few generators' wastewater management practices. In 1995, a few generators reported managing wastewaters in treatment systems exempt from RCRA permitting requirements, and, in accordance with the 1995 national reporting logic, these exempt wastewaters were excluded from the 1995 National Biennial Report. In 1997, the same generators reported managing these same wastewaters in Deepwell/Underground Injection (M134), a treatment system included in the 1997 National Biennial Report.

As identified in Exhibit 1, the five (5) States which contributed most to the national hazardous waste generation total in 1997 were Texas (19.0 million tons), Louisiana (4.6 million tons), Illinois (2.2 million tons), Ohio (1.7 million tons), and Mississippi (1.7 million tons). Together, the LQGs in these States accounted for 72% of the national total quantity generated.

Exhibit 1 Quantity of RCRA Hazardous Waste Generated and Number of Hazardous Waste Generators, by State, 1997

STATE	HAZARDOUS WASTE QUANTITY			LARGE QUANTITY GENERATORS		
	RANK	TONS GENERATED	PERCENTAGE	RANK	NUMBER	PERCENTAGE
ALABAMA	14	423,968	1.0	25	268	1.3
ALASKA	47	4,547	0.0	44	50	0.2
ARIZONA	35	53,031	0.1	31	180	0.9
ARKANSAS	8	1,052,744	2.6	27	206	1.0
CALIFORNIA	12	672,946	1.7	2	1,782	8.8
COLORADO	28	82,021	0.2	32	163	0.8
CONNECTICUT	32	60,219	0.1	15	404	2.0
DELAWARE	39	19,353	0.0	42	66	0.3
DISTRICT OF COLUMBIA	54	499	0.0	50	20	0.1
FLORIDA	16	398,535	1.0	17	378	1.9
GEORGIA	20	275,096	0.7	14	405	2.0
GUAM	55	412	0.0	53	8	0.0
HAWAII	45	7,241	0.0	47	41	0.2
IDAHO	9	1,014,825	2.5	45	48	0.2
ILLINOIS	3	2,201,025	5.4	5	1,058	5.2
INDIANA	7	1,077,410	2.6	9	633	3.1
IOWA	37	33,681	0.1	30	182	0.9
KANSAS	6	1,333,169	3.3	26	215	1.1
KENTUCKY	21	192,318	0.5	20	348	1.7
LOUISIANA	2	4,624,829	11.4	18	363	1.8
MAINE	46	4,758	0.0	35	137	0.7
MARYLAND	31	63,498	0.2	23	327	1.6
MASSACHUSETTS	27	94,467	0.2	12	474	2.3
MICHIGAN	10	994,047	2.4	8	682	3.4
MINNESOTA	13	427,390	1.1	24	274	1.3
MISSISSIPPI	5	1,654,338	4.1	29	193	1.0
MISSOURI	25	116,705	0.3	18	363	1.8
MONTANA	41	12,266	0.0	46	47	0.2
NAVAJO NATION	56	150	0.0	54	6	0.0
NEBRASKA	38	23,491	0.1	41	68	0.3
NEVADA	40	12,518	0.0	39	90	0.4
NEW HAMPSHIRE	44	9,751	0.0	33	152	0.7
NEW JERSEY	18	348,409	0.9	7	819	4.0
NEW MEXICO	26	99,474	0.2	48	39	0.2
NEW YORK	15	419,899	1.0	1	2,772	13.6
NORTH CAROLINA	30	66,501	0.2	11	505	2.5
NORTH DAKOTA	50	2,686	0.0	51	16	0.1
OHIO	4	1,693,247	4.2	3	1,271	6.3
OKLAHOMA	19	315,296	0.8	34	144	0.7
OREGON	36	49,877	0.1	28	203	1.0
PENNSYLVANIA	17	370,024	0.9	6	1,042	5.1
PUERTO RICO	34	54,120	0.1	38	106	0.5
RHODE ISLAND	42	11,643	0.0	37	107	0.5
SOUTH CAROLINA	43	10,793	0.0	21	341	1.7
SOUTH DAKOTA	53	948	0.0	49	21	0.1
TENNESSEE	11	745,458	1.8	13	461	2.3
TEXAS	1	18,973,406	46.6	4	1,219	6.0
TRUST TERRITORIES	52	1,101	0.0	55	3	0.0
UTAH	29	78,555	0.2	40	89	0.4
VERMONT	48	4,064	0.0	43	65	0.3
VIRGIN ISLANDS	49	2,811	0.0	56	2	0.0
VIRGINIA	33	57,395	0.1	22	329	1.6
WASHINGTON	24	126,601	0.3	10	595	2.9
WEST VIRGINIA	22	152,843	0.4	36	119	0.6
WISCONSIN	23	147,959	0.4	16	400	2.0
WYOMING	51	1,478	0.0	52	15	0.1
CBI DATA	N/A	242	N/A	N/A	2	N/A
TOTAL		40,676,075	100.0		20,316	100.0

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

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the 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 1997 are included in the management quantities in this Report. Wastes generated and subsequently stored in 1997 are *not* included in the management quantities in this Report.

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 1997, 2,025 TSDs reported they managed 37.7 million tons of RCRA hazardous waste. Of the 2,025 facilities, 1,078 were storage-only facilities. When comparing the 1995 National Biennial Report with the 1997 Report, the number of TSDs increased by 42, and the total quantity of hazardous waste managed decreased by 170.5 million tons or 82%. This decrease was largely attributable to the exclusion of wastewaters from the 1997 national reporting logic. For a more detailed description of the wastewater exclusion, please refer to the section of the *Executive Summary* entitled "Changes to 1997 Biennial Reporting Requirements and the Biennial Report Data Presented in this Report."

The wastewater exclusion will make cursory comparisons between the 1997 National Biennial Report and earlier National Reports misleading. To facilitate an accurate comparison, Appendix B of the *National Analysis* provides the 1995 National Biennial Report data *excluding wastewater* (i.e., the data was compiled using the same national reporting logic used to exclude wastewater data from the 1997 National Report.) As presented in Exhibit B.2, 35.1 million tons of non-wastewater wastes were managed in 1995; therefore, a more accurate picture of the change in national hazardous waste management between 1995 and 1997 is an increase of 2.6 million tons or 7%. A large portion of this increase resulted from a change in wastewater management practices. In 1995, a few TSDs reported managing wastewater in treatment systems exempt from RCRA permitting requirements, and, in accordance with the 1995 national reporting logic, these exempt wastewaters were excluded from the 1995 National Biennial Report. In 1997, the same TSDs reported managing these same wastewaters in Deepwell/Underground Injection (M134), a treatment system included in the 1997 National Biennial Report. Other factors contributing to the increase included increased waste management activities due to a landfill closing and remediation wastes from RCRA Corrective Action.

As identified in Exhibit 2, the five (5) States whose TSDs managed the largest quantities of hazardous wastes were Texas (17.4 million tons), Louisiana (4.5 million tons), Ohio (1.7 million tons), Mississippi (1.7 million tons), and Kansas (1.6 million tons). The TSDs in these five (5) States account for 71% of the national management total.

In 1997, *land disposal* accounted for 76% of the national non-wastewater management total. Land disposal methods include:

Deepwell/Underground Injection	26 million tons
Landfill	1.5 million tons
Surface Impoundment	1 million tons
Land Treatment/Application/Farming	19 thousand tons

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

Exhibit 2 Quantity of RCRA Hazardous Waste Managed and Number of RCRA TSD Facilities, by State, 1997

STATE	HAZARDOUS WASTE QUANTITY ¹			TSD FACILITIES		
	RANK	TONS MANAGED	PERCENTAGE	RANK	NUMBER	PERCENTAGE
ALABAMA	14	415,166	1.1	15	44	2.2
ALASKA	12	449,486	1.2	43	6	0.3
ARIZONA	40	4,218	0.0	29	23	1.1
ARKANSAS	10	1,001,426	2.7	29	23	1.1
CALIFORNIA	7	1,160,627	3.1	1	250	12.4
COLORADO	32	37,658	0.1	32	22	1.1
CONNECTICUT	36	26,680	0.1	25	27	1.3
DELAWARE	43	2,131	0.0	47	4	0.2
DISTRICT OF COLUMBIA	50	0	0.0	51	1	0.0
FLORIDA	21	207,560	0.6	14	46	2.3
GEORGIA	26	72,558	0.2	12	55	2.7
GUAM	50	0	0.0	51	1	0.0
HAWAII	49	99	0.0	48	3	0.1
IDAHO	8	1,093,366	2.9	40	7	0.3
ILLINOIS	13	445,728	1.2	6	86	4.2
INDIANA	6	1,357,777	3.6	17	40	2.0
IOWA	42	3,349	0.0	21	28	1.4
KANSAS	5	1,558,943	4.1	27	24	1.2
KENTUCKY	25	85,575	0.2	21	28	1.4
LOUISIANA	2	4,503,985	11.9	11	57	2.8
MAINE	46	718	0.0	29	23	1.1
MARYLAND	39	4,560	0.0	26	25	1.2
MASSACHUSETTS	37	16,467	0.0	21	28	1.4
MICHIGAN	9	1,075,667	2.9	4	113	5.6
MINNESOTA	23	141,292	0.4	27	24	1.2
MISSISSIPPI	4	1,720,718	4.6	36	16	0.8
MISSOURI	20	238,179	0.6	8	83	4.1
MONTANA	45	987	0.0	39	8	0.4
NAVAJO NATION	50	0	0.0	56	0	0.0
NEBRASKA	31	41,231	0.1	38	11	0.5
NEVADA	35	29,313	0.1	43	6	0.3
NEW HAMPSHIRE	50	0	0.0	51	1	0.0
NEW JERSEY	24	86,095	0.2	7	85	4.2
NEW MEXICO	22	189,509	0.5	37	15	0.7
NEW YORK	15	411,616	1.1	9	73	3.6
NORTH CAROLINA	38	15,674	0.0	5	100	4.9
NORTH DAKOTA	44	1,188	0.0	40	7	0.3
OHIO	3	1,739,368	4.6	13	52	2.6
OKLAHOMA	16	405,898	1.1	16	41	2.0
OREGON	33	32,150	0.1	40	7	0.3
PENNSYLVANIA	11	496,136	1.3	10	63	3.1
PUERTO RICO	27	70,188	0.2	21	28	1.4
RHODE ISLAND	41	3,840	0.0	48	3	0.1
SOUTH CAROLINA	19	302,472	0.8	32	22	1.1
SOUTH DAKOTA	50	0	0.0	50	2	0.1
TENNESSEE	17	403,094	1.1	19	30	1.5
TEXAS	1	17,371,102	46.0	2	135	6.7
TRUST TERRITORIES	48	524	0.0	51	1	0.0
UTAH	18	325,888	0.9	35	20	1.0
VERMONT	50	0	0.0	45	5	0.2
VIRGIN ISLANDS	47	659	0.0	51	1	0.0
VIRGINIA	29	47,737	0.1	18	32	1.6
WASHINGTON	28	49,157	0.1	19	30	1.5
WEST VIRGINIA	30	44,438	0.1	32	22	1.1
WISCONSIN	34	30,934	0.1	3	132	6.5
WYOMING	50	0	0.0	45	5	0.2
CBI DATA	N/A	0	N/A	N/A	1	N/A
TOTAL		37,723,129	100.0		2,025	100.0

¹Quantity managed by storage only is excluded.

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

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

Recovery operations accounted for 10% of the national non-wastewater management total. Recovery operations include:

Fuel Blending	1.5 million tons
Metals Recovery (for Reuse)	1.1 million tons
Solvents Recovery	617 thousand tons
Other Recovery	443 thousand tons

Thermal treatment accounted for 9% of the national non-wastewater management total. Thermal treatment units include:

Energy Recovery (for Reuse as Fuel)	1.7 million tons
Incineration	1.7 million tons

The remaining non-wastewater management quantities (5%) were managed in *other treatment and disposal units*, including:

Stabilization	1.4 million tons
Sludge Treatment	411 thousand tons
Other Disposal (Specified in Comments)	251 thousand tons

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

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

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.

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 1997, 18,029 shippers reported shipping 7.3 million tons of hazardous waste. When comparing the 1995 National Biennial Report with the 1997 Report, the number of shippers decreased by 2,468, and the quantity of waste shipped decreased by 3.3 million tons, a 31% decrease. Some of the decrease in the quantity of waste shipped may be attributable to the exclusion of wastewaters from the 1997 national biennial reporting logic. However, since wastewaters are typically managed on-site rather than shipped off-site for management, the decrease between 1995 and 1997 is more likely the result of other factors. For a more detailed description of the wastewater exclusion, please refer to the section of the *Executive Summary* entitled "Changes to 1997 Biennial Reporting Requirements and the National Biennial Report Data Presented in this Report."

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

The wastewater exclusion will make cursory comparisons between the 1997 National Reports and earlier National Reports misleading. To facilitate an accurate comparison, Appendix B of the *National Analysis* provides the 1995 National Report data *excluding wastewater* (i.e., the data was compiled using the same national reporting logic used to exclude wastewater data from the 1997 National Biennial Report). As presented in Exhibit B.3, 6.2 million tons of non-wastewater wastes were shipped in 1995; therefore, a more accurate picture of the change in national hazardous waste shipments between 1995 and 1997 is a decrease of 1.1 million tons or 15%.

Of the 7.3 million tons of RCRA hazardous waste shipped in 1997, 4.4 million tons of waste were **exported** from the State in which they were generated to other States. When comparing the 1995 National Biennial Report with the 1997 Report, the quantity of waste exported decreased by 924 thousand tons or 17%. Some of the decrease in the quantity of waste exported may be attributable to the exclusion of wastewaters from the 1997 national reporting logic. However, since wastewaters are typically managed on-site rather than shipped off-site for management, the decrease between 1995 and 1997 is more likely the result of other factors.

The wastewater exclusion will make cursory comparisons between the 1997 National Biennial Report and earlier National Reports misleading. To facilitate an accurate comparison, Appendix B of the *National Analysis* provides the 1995 National Report data *excluding wastewater* (i.e., the data was compiled using the same national reporting logic used to exclude wastewater data from the 1997 National Biennial Report). As presented in Exhibit B.5, 3.6 million tons of non-wastewater wastes were exported to other States in 1995; therefore, a more accurate picture of the change in national hazardous waste exports between 1995 and 1997 is an increase of 753 thousand tons or 17%.

In 1997, 543 TSDs reported receiving 8 million tons of RCRA hazardous waste. When comparing the 1995 National Biennial Report with the 1997 Report, the number of TSDs receiving waste decreased by 101, and the quantity of waste received decreased by 1.3 million tons or 14%. Some of the decrease in the quantity of waste received may be attributable to the exclusion of wastewaters from the 1997 national reporting logic. However, since wastewaters are typically managed on-site rather than shipped off-site for management, the decrease between 1995 and 1997 is more likely the result of other factors.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

The wastewater exclusion will make cursory comparisons between the 1997 National Biennial Report and earlier National Reports misleading. To facilitate an accurate comparison, Appendix B of the *National Analysis* provides the 1995 National Report data *excluding wastewater* (i.e., the data was compiled using the same national reporting logic used to exclude wastewater data from the 1997 National Biennial Report). As presented in Exhibit B.4, 7.9 million tons of non-wastewater wastes were received in 1995; therefore, a more accurate picture of the change in national hazardous waste receipts between 1995 and 1997 is an increase of 87 thousand tons or 1%.

Of the 8 million tons of RCRA hazardous waste received in 1997, 4 million tons of waste were **imported** from other States. When comparing the 1995 National Biennial Report with the 1997 Report, the quantity of waste imported decreased by 1.9 million tons or 32%. Some of the decrease in the quantity of waste imported may be attributable to the exclusion of wastewaters from the 1997 national reporting logic. However, since wastewaters are typically managed on-site rather than shipped off-site for management, the decrease between 1995 and 1997 is more likely the result of other factors.

The wastewater exclusion will make cursory comparisons between the 1997 National Report and earlier National Reports misleading. To facilitate an accurate comparison, Appendix B of the *National Analysis* provides the 1995 National Report data *excluding wastewater* (i.e., the data was compiled using the same national reporting logic used to exclude wastewater data from the 1997 National Biennial Report). As presented in Exhibit B.5, 5.1 million tons of non-wastewater wastes were imported in 1995; therefore, a more accurate picture of the change in national hazardous waste imports between 1995 and 1997 is a decrease of 1.1 million tons or 22%.

WHERE TO OBTAIN ADDITIONAL INFORMATION

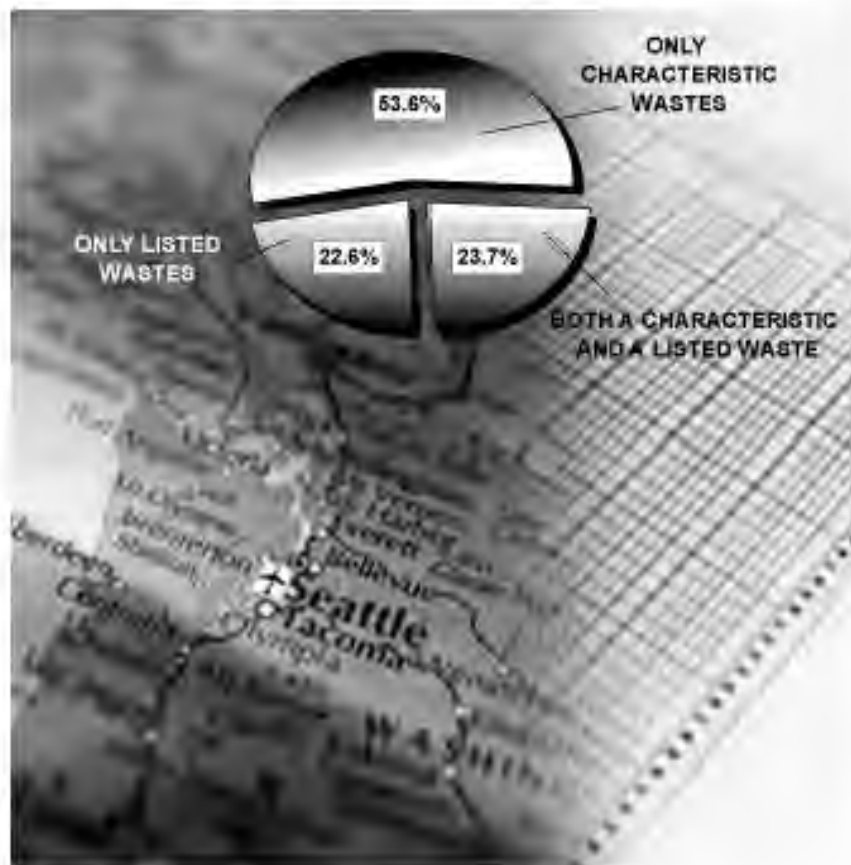
All volumes of *The National Biennial RCRA Hazardous Waste Report (Based on 1997 Data)* and the 1997 Biennial Reporting System (BRS) data files can be accessed via the Internet at <http://www.epa.gov/epaoswer/hazwaste/data/#brs> or purchased from the National Technical Information Service (NTIS) at (703) 487-4650.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

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EPA State Detail Analysis

The National Biennial RCRA Hazardous Waste Report (Based on 1997 Data)



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30 percent postconsumer fiber.

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NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

ALABAMA

1997 WASTE GENERATION

- 1 NUMBER OF RCRA LARGE QUANTITY GENERATORS (LQGS): 268
- 2 QUANTITY OF RCRA HAZARDOUS WASTE GENERATED: 423,968 TONS
- 3 FIFTY LARGEST RCRA HAZARDOUS WASTE GENERATORS IN THE STATE, 1997

RANK	EPA ID	SITE NAME	CITY	TOTAL GENERATED (TONS)
----	-----	-----	----	-----
1	ALD046481032	SANDERS LEAD COMPANY INC	TROY	172,034
2	ALD070513767	M & M CHEMICAL & EQUIPMENT COMPANY, INC.	ATTALLA	47,832
3	ALD001221902	CIBA SPECIALTY CHEMICALS CORP	MCINTOSH	28,065
4	ALD000622464	CHEMICAL WASTE MANAGEMENT, INC.	EMELLE	21,765
5	ALD981020894	FISHER INDUSTRIAL SERVICE INC.	GLENCOE	15,726
6	ALD004014973	GULF STATES STEEL	GADSDEN	14,110
7	ALD095688875	ZENECA INC-COLD CREEK	BUCKS	11,498
8	ALD067123570	SMI STEEL INC	BIRMINGHAM	10,473
9	ALR000006817	TRICO STEEL COMPANY LLC	DECATUR	9,685
10	ALD000622852	BIRMINGHAM STEEL CORPORATION	BIRMINGHAM	9,388
11	ALD982088437	TUSCALOOSA STEEL CORPORATION	TUSCALOOSA	8,990
12	ALD094476793	ALLWORTH, INC/PHILIP ENV	BIRMINGHAM	6,288
13	ALD004009320	HUNT REFINING CO	TUSCALOOSA	6,004
14	ALD004019642	OCCIDENTAL CHEMICAL CORPORATION	MUSCLE SHOALS	5,778
15	ALD006320774	SOLUTIA INC	DECATUR	2,888
16	ALD093179315	E.I.DU PONT DE NEMOURS & CO.	AXIS	2,612
17	ALD102066636	SCHLUMBERGER INDUSTRIES	TALLASSEE	2,597
18	ALD040653636	SONY MAGNETIC PRODUCTS OF AMERICA INC	DOTHAN	2,362
19	ALD020852422	SHELL CHEMICAL COMPANY	SARALAND	2,285
20	ALD004017869	U.S. PIPE & FOUNDRY COMPANY INC	BESSEMER	2,145
21	ALD003397569	ACIPCO-AMERICAN CAST IRON PIPE COMPANY	BIRMINGHAM	2,138
22	ALD982142960	DANNY ISBELL INC	PELL CITY	2,013
23	ALD075045575	DEGUSSA CORPORATION/ALA GROUP	THEODORE	1,941
24	ALD003297116	QUANTEGY INC.	OPELIKA	1,933
25	ALD981475304	K W PLASTICS	TROY	1,722
26	AL3210020027	ANNISTON ARMY DEPOT	ANNISTON	1,657
27	ALD031499833	ALLIED SIGNAL INC FAIRFIELD TAR	BIRMINGHAM	1,579
28	ALD000608224	CREANOVA INC	THEODORE	1,482
29	ALD004023164	3M DECATUR	DECATUR	1,433
30	ALD983167891	TRANS-CYCLE INDUSTRIES INC.	PELL CITY	1,300
31	ALD980839310	GERRARD STEEL PICKLING	FLORENCE	1,299
32	ALD983177015	TERRA FIRST-ALABAMA STORAGE OPERATIONS	VERNON	1,292
33	ALD982115180	JVC MAGNETICS AMERICA COMPANY	TUSCALOOSA	983
34	ALD000608216	HAGER HINGE CO	MONTGOMERY	799
35	ALD000827352	STEELCASE INC	ATHENS	794
36	ALD078964970	DEXTER PACKAGING PRODUCTS	BIRMINGHAM	774
37	ALD983167925	GULF COAST GALVANIZING	CITRONELLE	674
38	ALD004019691	3M GUIN	GUIN	628
39	AL7210020742	U S ARMY-REDSTONE ARSENAL	REDSTONE ARSENAL	554
40	ALD055798037	NORANDAL USA INC	SCOTTSBORO	474
41	ALD095687679	REYNOLDS METALS COMPANY-ALLOYS PLANT	MUSCLE SHOALS	467
42	ALD053360897	MORTON INTERNATIONAL	DECATUR	454
43	ALD003396983	ANDERSON ELECTRICAL PRODUCTS	LEEDS	428
44	ALD053365169	REYNOLDS METALS COMPANY-SHEFFIELD PLANT	SHEFFIELD	427
45	ALD983192246	MDA MANUFACTURING INC	DECATUR	418
46	ALD041023086	GRIFFIN WHEEL COMPANY BESSEMER	BESSEMER	348
47	ALD004011342	AKZO NOBEL COATINGS INC	BIRMINGHAM	310
48	ALD983191651	GLOBE ELASTIC CO., INC.	TUSCALOOSA	305
49	ALD061311569	LOZIER CORPORATION-SCOTTSBORO	SCOTTSBORO	296
50	ALD155638570	BRITE-SOL SERVICE CO INC	CREOLA	293
TOTAL				411,737

NOTE: STATE MAY HAVE FEWER THAN FIFTY GENERATORS.
GENERATORS WITH ZERO QUANTITY GENERATED ARE EXCLUDED.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

ALABAMA

1997 WASTE GENERATION, CONTINUED

4 QUANTITIES OF WASTE GENERATED IN 1997 THAT WERE

- REPORTED WITH ONLY CHARACTERISTIC WASTE CODES
- REPORTED WITH ONLY LISTED WASTE CODES
- REPORTED WITH BOTH CHARACTERISTIC AND LISTED WASTE CODES

WASTE HAS ONLY CHARACTERISTIC CODES	TONS OF WASTE GENERATED	WASTE HAS ONLY LISTED CODES	TONS OF WASTE GENERATED	WASTE HAS BOTH CHARACTERISTIC AND LISTED CODES	TONS OF WASTE GENERATED
ONLY IGNITABLE	10,968	ONLY AN F CODE	28,339		
ONLY CORROSIVE	685	ONLY A K CODE	49,128		
ONLY REACTIVE	34	ONLY A P CODE	138		
ONLY D004-17	193,785	ONLY A U CODE	58		
ONLY D018-43	542				
HAS MORE THAN ONE CHARACTERISTIC CODE	12,968	HAS MORE THAN ONE LISTED CODE	579		
TOTAL	218,982	TOTAL	78,241	BOTH CHARACTERISTIC & LISTED	126,743

5 QUANTITIES OF WASTE GENERATED IN 1997 THAT WERE MULTIPLY CODED

WASTE HAS ONLY CHARACTERISTIC CODES BUT MORE THAN ONE APPLIES	TONS OF WASTE GENERATED	ONLY LISTED CODES BUT HAS MORE THAN ONE	TONS OF WASTE GENERATED	BOTH CHAR, AND LISTED CODES	TONS OF WASTE GENERATED
HAS IGNITABLE CODE	10,809			IGN. W/ AT LEAST 1 LSTD	83,966
HAS CORROSIVE CODE	6,980			CORR. W/ AT LEAST 1 LSTD	3,246
HAS REACTIVE CODE	804			REACT. W/ AT LEAST 1 LSTD	479
HAS D004-D017 CODE	5,638			D004-17 W/ AT LEAST 1 LSTD	27,992
HAS D018-D043 CODE	3,497			D018-43 W/ AT LEAST 1 LSTD	54,197
		HAS AN F CODE	579	F WASTE W/ AT LEAST 1 CHAR	114,273
		HAS A K CODE	579	K WASTE W/ AT LEAST 1 CHAR	28,709
		HAS A P CODE	0	P WASTE W/ AT LEAST 1 CHAR	932
		HAS A U CODE	0	U WASTE W/ AT LEAST 1 CHAR	38,580
TOTAL	12,968	TOTAL	579	TOTAL	126,743

NOTE: COLUMNS DO NOT SUM TO TOTAL BECAUSE A WASTE CODE MAY APPLY TO MORE THAN ONE WASTE.
 MIXTURES WITH IGNITABLE, CORROSIVE, REACTIVE, D004-17, AND D018-43 CHARACTERISTIC CODES ALSO MAY
 CONTAIN OTHER CHARACTERISTIC WASTE CODES.
 SIMILARLY, WASTES WITH F,K,P, AND U LISTED CODES MAY HAVE OTHER LISTED WASTE CODES.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

ALABAMA

1997 WASTE MANAGEMENT

6 NUMBER OF RCRA TSD FACILITIES: 44

7 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED: 415,166 TONS

8 FIFTY LARGEST RCRA HAZARDOUS WASTE MANAGEMENT FACILITIES, 1997

RANK	EPA ID	SITE NAME	CITY	TONS OF WASTE MANAGED
----	-----	-----	----	-----
1	ALD046481032	SANDERS LEAD COMPANY INC	TROY	141,200
2	ALD070513767	M & M CHEMICAL & EQUIPMENT COMPANY, INC.	ATTALLA	93,205
3	ALD000622464	CHEMICAL WASTE MANAGEMENT, INC.	EMELLE	73,475
4	ALD983192402	MEDUSA-CITADEL INC	DEMOPOLIS	32,653
5	ALD981019045	SYSTECH ENVIRONMENTAL CORPORATION	DEMOPOLIS	31,538
6	ALD001221902	CIBA SPECIALTY CHEMICALS CORP	MCINTOSH	23,984
7	ALD981020894	FISHER INDUSTRIAL SERVICE INC.	GLENCOE	8,399
8	ALD094476793	ALLWORTH, INC/PHILIP ENV	BIRMINGHAM	5,154
9	ALD003397569	ACIPCO-AMERICAN CAST IRON PIPE COMPANY	BIRMINGHAM	2,000
10	ALD004017869	U.S. PIPE & FOUNDRY COMPANY INC	BESSEMER	1,918
11	ALD031499833	ALLIED SIGNAL INC FAIRFIELD TAR	BIRMINGHAM	1,517
12	ALD981919368	HAMILTON PLASTIC PRODUCTS	HAMILTON	53
13	ALD093179315	E.I.DU PONT DE NEMOURS & CO.	AXIS	33
14	ALD044075919	SIEBE APPLIANCE CONTROLS	ATHENS	21
15	ALD079474037	UNIVERSITY OF SOUTH ALABAMA, MAIN CAMPUS	MOBILE	15
16	AL8640015410	BROWNS FERRY NUCLEAR PLANT	ATHENS	0
17	AL2640090005	TVA POWER SERVICE CENTER	MUSCLE SHOALS	0
TOTAL				415,166

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY FACILITIES THAT MANAGED WASTE.
FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

ALABAMA

1997 WASTE MANAGEMENT, CONTINUED

9 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY MANAGEMENT METHOD, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
METALS RECOVERY (FOR REUSE)	M011-M019	126,066	30.4	2	11.8
SOLVENTS RECOVERY	M021-M029	5,214	1.3	4	23.5
OTHER RECOVERY	M031-M039	0	.0	1	5.9
INCINERATION	M041-M049	24,463	5.9	5	29.4
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	32,740	7.9	2	11.8
FUEL BLENDING	M061	133,059	32.0	4	23.5
SLUDGE TREATMENT	M101-M109	21	.0	1	5.9
STABILIZATION	M111-M119	53,023	12.8	4	23.5
LANDFILL	M132	40,569	9.8	2	11.8
OTHER DISPOSAL SPECIFIED IN COMMENTS	M137	9	.0	1	5.9
TOTAL		415,166	100.0	17	

10 MANAGEMENT METHOD, BY QUANTITY OF RCRA HAZARDOUS WASTE MANAGED, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
FUEL BLENDING	M061	133,059	32.0	4	23.5
METALS RECOVERY (FOR REUSE)	M011-M019	126,066	30.4	2	11.8
STABILIZATION	M111-M119	53,023	12.8	4	23.5
LANDFILL	M132	40,569	9.8	2	11.8
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	32,740	7.9	2	11.8
INCINERATION	M041-M049	24,463	5.9	5	29.4
SOLVENTS RECOVERY	M021-M029	5,214	1.3	4	23.5
SLUDGE TREATMENT	M101-M109	21	.0	1	5.9
OTHER DISPOSAL SPECIFIED IN COMMENTS	M137	9	.0	1	5.9
OTHER RECOVERY	M031-M039	0	.0	1	5.9
TOTAL		415,166	100.0	17	

11 MANAGEMENT METHOD AND QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY NUMBER OF FACILITIES, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
INCINERATION	M041-M049	24,463	5.9	5	29.4
FUEL BLENDING	M061	133,059	32.0	4	23.5
SOLVENTS RECOVERY	M021-M029	5,214	1.3	4	23.5
STABILIZATION	M111-M119	53,023	12.8	4	23.5
LANDFILL	M132	40,569	9.8	2	11.8
METALS RECOVERY (FOR REUSE)	M011-M019	126,066	30.4	2	11.8
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	32,740	7.9	2	11.8
OTHER DISPOSAL SPECIFIED IN COMMENTS	M137	9	.0	1	5.9
OTHER RECOVERY	M031-M039	0	.0	1	5.9
SLUDGE TREATMENT	M101-M109	21	.0	1	5.9
TOTAL		415,166	100.0	17	

NOTE: FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.
COLUMNS MAY NOT SUM DUE TO ROUNDING.
COLUMNS MAY NOT SUM TO TOTAL BECAUSE FACILITIES MAY HAVE MULTIPLE HANDLING METHODS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

ALABAMA

1997 WASTE SHIPMENTS

12 NUMBER OF RCRA HAZARDOUS WASTE SHIPPERS: 263

13 QUANTITY OF RCRA HAZARDOUS WASTE SHIPPED: 209,200 TONS

14 FIFTY LARGEST RCRA HAZARDOUS WASTE SHIPPERS, 1997

RANK	EPA ID	SITE NAME	CITY	QUANTITY SHIPPED (TONS)
----	-----	-----	----	-----
1	ALD070513767	M & M CHEMICAL & EQUIPMENT COMPANY, INC.	ATTALLA	47,832
2	ALD000622464	CHEMICAL WASTE MANAGEMENT, INC.	EMELLE	25,216
3	ALD981020894	FISHER INDUSTRIAL SERVICE INC.	GLENCOE	16,013
4	ALD004014973	GULF STATES STEEL	GADSDEN	14,110
5	ALD095688875	ZENECA INC-COLD CREEK	BUCKS	11,757
6	ALD067123570	SMI STEEL INC	BIRMINGHAM	10,473
7	ALR000006817	TRICO STEEL COMPANY LLC	DECATUR	9,685
8	ALD000622852	BIRMINGHAM STEEL CORPORATION	BIRMINGHAM	9,388
9	ALD982088437	TUSCALOOSA STEEL CORPORATION	TUSCALOOSA	8,990
10	ALD094476793	ALLWORTH, INC/PHILIP ENV	BIRMINGHAM	6,288
11	ALD001221902	CIBA SPECIALTY CHEMICALS CORP	MCINTOSH	4,491
12	ALD006320774	SOLUTIA INC	DECATUR	2,825
13	ALD102066636	SCHLUMBERGER INDUSTRIES	TALLASSEE	2,593
14	ALD093179315	E.I.DU PONT DE NEMOURS & CO.	AXIS	2,579
15	ALD982142960	DANNY ISBELL INC	PELL CITY	2,013
16	ALD075045575	DEGUSSA CORPORATION/ALA GROUP	THEODORE	1,939
17	AL3210020027	ANNISTON ARMY DEPOT	ANNISTON	1,899
18	ALD981475304	K W PLASTICS	TROY	1,722
19	ALD000608224	CREANOVA INC	THEODORE	1,482
20	ALD004023164	3M DECATUR	DECATUR	1,386
21	ALD980839310	GERRARD STEEL PICKLING	FLORENCE	1,299
22	ALD983177015	TERRA FIRST-ALABAMA STORAGE OPERATIONS	VERNON	1,292
23	ALD004019642	OCCIDENTAL CHEMICAL CORPORATION	MUSCLE SHOALS	1,180
24	ALD053360897	MORTON INTERNATIONAL	DECATUR	894
25	ALD000608216	HAGER HINGE CO	MONTGOMERY	818
26	ALD040653636	SONY MAGNETIC PRODUCTS OF AMERICA INC	DOTHAN	788
27	ALD078964970	DEXTER PACKAGING PRODUCTS	BIRMINGHAM	774
28	ALD004019691	3M GUIN	GUIN	628
29	ALD000827352	STEELCASE INC	ATHENS	622
30	ALD983167925	GULF COAST GALVANIZING	CITRONELLE	607
31	AL7210020742	U S ARMY-REDSTONE ARSENAL	REDSTONE ARSENAL	569
32	ALD055798037	NORANDAL USA INC	SCOTTSBORO	479
33	ALD095687679	REYNOLDS METALS COMPANY-ALLOYS PLANT	MUSCLE SHOALS	467
34	ALD003396983	ANDERSON ELECTRICAL PRODUCTS	LEEDS	428
35	ALD053365169	REYNOLDS METALS COMPANY-SHEFFIELD PLANT	SHEFFIELD	427
36	ALD983192246	MDA MANUFACTURING INC	DECATUR	414
37	ALD020852422	SHELL CHEMICAL COMPANY	SARALAND	382
38	ALD004020855	MADIX INC	GOODWATER	357
39	ALD041023086	GRIFFIN WHEEL COMPANY BESSEMER	BESSEMER	348
40	ALD981028798	SAFETY-KLEEN CORP-HUNTSVILLE	HUNTSVILLE	340
41	ALD004011342	AKZO NOBEL COATINGS INC	BIRMINGHAM	310
42	ALD061311569	LOZIER CORPORATION-SCOTTSBORO	SCOTTSBORO	296
43	AL3640090004	TVA ENVIRONMENTAL RESEARCH CENTER	MUSCLE SHOALS	293
44	ALD155638570	BRITE-SOL SERVICE CO INC	CREOLA	293
45	ALD094483591	EMCO, INC.	GADSDEN	292
46	ALD044496966	VULCAN, INC	FOLEY	274
47	ALD084956911	BRENT INDUSTRIES, INC.	BRENT	273
48	ALD982115180	JVC MAGNETICS AMERICA COMPANY	TUSCALOOSA	269
49	ALD980846828	INTERGRAPH CORPORATION	HUNTSVILLE	267
50	AL2690320435	US COAST GUARD GROUP MOBILE	MOBILE	253

TOTAL

198,611

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY SHIPPERS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

ALABAMA

1997 WASTE RECEIPTS

15 NUMBER OF RCRA HAZARDOUS WASTE RECEIVERS: 11

16 QUANTITY OF RCRA HAZARDOUS WASTE RECEIVED: 218,307 TONS

17 FIFTY LARGEST RCRA HAZARDOUS WASTE RECEIVERS, 1997

RANK	EPA ID	SITE NAME	CITY	QUANTITY RECEIVED (TONS)
----	-----	-----	----	-----
1	ALD000622464	CHEMICAL WASTE MANAGEMENT, INC.	EMELLE	81,269
2	ALD070513767	M & M CHEMICAL & EQUIPMENT COMPANY, INC.	ATTALLA	48,195
3	ALD983192402	MEDUSA-CITADEL INC	DEMOPOLIS	32,653
4	ALD981019045	SYSTECH ENVIRONMENTAL CORPORATION	DEMOPOLIS	31,538
5	ALD981020894	FISHER INDUSTRIAL SERVICE INC.	GLENCOE	14,295
6	ALD094476793	ALLWORTH, INC/PHILIP ENV	BIRMINGHAM	5,154
7	ALD983177015	TERRA FIRST-ALABAMA STORAGE OPERATIONS	VERNON	4,561
8	ALD046481032	SANDERS LEAD COMPANY INC	TROY	464
9	ALD031499833	ALLIED SIGNAL INC FAIRFIELD TAR	BIRMINGHAM	113
10	AL2640090005	TVA POWER SERVICE CENTER	MUSCLE SHOALS	59
11	ALD079474037	UNIVERSITY OF SOUTH ALABAMA, MAIN CAMPUS	MOBILE	7

TOTAL 218,307

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY FACILITIES THAT RECEIVED WASTE.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

ALABAMA

1997 WASTE RECEIPTS, CONTINUED

18 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY MANAGEMENT METHOD,
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
METALS RECOVERY (FOR REUSE)	M011-M019	464	.2	2	20.0
SOLVENTS RECOVERY	M021-M029	5,154	2.6	1	10.0
OTHER RECOVERY	M031-M039	0	.0	1	10.0
INCINERATION	M041-M049	114	.1	3	30.0
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	32,740	16.4	2	20.0
FUEL BLENDING	M061	88,050	44.1	4	40.0
STABILIZATION	M111-M119	33,971	17.0	1	10.0
LANDFILL	M132	39,337	19.7	1	10.0
OTHER DISPOSAL SPECIFIED IN COMMENTS	M137	0	.0	1	10.0
TOTAL		199,830	100.0	10	

19 MANAGEMENT METHOD, BY QUANTITY OF RCRA HAZARDOUS WASTE MANAGED
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
FUEL BLENDING	M061	88,050	44.1	4	40.0
LANDFILL	M132	39,337	19.7	1	10.0
STABILIZATION	M111-M119	33,971	17.0	1	10.0
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	32,740	16.4	2	20.0
SOLVENTS RECOVERY	M021-M029	5,154	2.6	1	10.0
METALS RECOVERY (FOR REUSE)	M011-M019	464	.2	2	20.0
INCINERATION	M041-M049	114	.1	3	30.0
OTHER DISPOSAL SPECIFIED IN COMMENTS	M137	0	.0	1	10.0
OTHER RECOVERY	M031-M039	0	.0	1	10.0
TOTAL		199,830	100.0	10	

20 MANAGEMENT METHOD AND QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY NUMBER OF FACILITIES,
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
FUEL BLENDING	M061	88,050	44.1	4	40.0
INCINERATION	M041-M049	114	.1	3	30.0
METALS RECOVERY (FOR REUSE)	M011-M019	464	.2	2	20.0
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	32,740	16.4	2	20.0
LANDFILL	M132	39,337	19.7	1	10.0
OTHER DISPOSAL SPECIFIED IN COMMENTS	M137	0	.0	1	10.0
SOLVENTS RECOVERY	M021-M029	5,154	2.6	1	10.0
OTHER RECOVERY	M031-M039	0	.0	1	10.0
STABILIZATION	M111-M119	33,971	17.0	1	10.0
TOTAL		199,830	100.0	10	

NOTE: FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.
COLUMNS MAY NOT SUM DUE TO ROUNDING.
COLUMNS MAY NOT SUM TO TOTAL BECAUSE FACILITIES MAY HAVE MULTIPLE HANDLING METHODS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

ALABAMA

1997 IMPORTS AND EXPORTS

21	QUANTITY OF RCRA HAZARDOUS WASTE IMPORTED:	143,757 TONS
22	QUANTITY OF RCRA HAZARDOUS WASTE EXPORTED:	150,611 TONS

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

ALASKA

1997 WASTE GENERATION

1 NUMBER OF RCRA LARGE QUANTITY GENERATORS (LQGS): 50

2 QUANTITY OF RCRA HAZARDOUS WASTE GENERATED: 4,547 TONS

3 FIFTY LARGEST RCRA HAZARDOUS WASTE GENERATORS IN THE STATE, 1997

RANK	EPA ID	SITE NAME	CITY	TOTAL GENERATED (TONS)
1	AKD092876390	UNOCAL AG PRODUCTS KENAI PLANT	KENAI	2,166
2	AK0570000182	USAF WILDWOOD AFS	KENAI	822
3	AKD009252230	KETCHIKAN PULP CO.	KETCHIKAN	470
4	AK6210022426	USARMY FORT WAINWRIGHT	FORT WAINWRIGHT	181
5	AK4170024323	USNAVY CARETAKER SITE OFFICE ADAK	ADAK	151
6	AKD052581758	TAPS VALDEZ MARINE TERMINAL	VALDEZ	133
7	AK8570028649	USAF ELMENDORF AFB	ELMENDORF AFB	103
8	AKD048679682	TESORO ALASKA PETROLEUM CO KENAI REFIN	KENAI	99
9	AK1570028646	USAF EIELSON AFB	FAIRBANKS	84
10	AK1210022157	USARMY FORT RICHARDSON	FORT RICHARDSON	64
11	AK3210022155	USARMY FORT GREELY AK	FORT GREELY	49
12	AKD000850701	MAPCO NORTH POLE REFINERY	NORTH POLE	43
13	AKD991281221	ARCO PRUDHOE BAY OILFIELD EAST OPS	PRUDHOE BAY	21
14	AKD991281023	ARCO KUPARUK OILFIELD	DEADHORSE	20
15	AK9690330742	USDOT CG ISC KODIAK	KODIAK	17
16	AK9570028705	USAF EARECKSON AIR STATION	SHEMYA ISLAND	12
17	AKD048679567	UNIVERSITY OF ALASKA FAIRBANKS	FAIRBANKS	11
18	AKR000002964	USDOT ADOT&PF DELTA M&O FACILITY	DELTA JUNCTION	10
19	AK3690500167	USDOT FAA ANNETTE ISLAND	ANNETTE	9
20	AK1570028638	CLEAR AIR STATION	CLEAR	8
21	AK8690360492	USCG ISC KETCHIKAN	KETCHIKAN	7
22	AKR000002824	BUSKIN BEACH	KODIAK	7
23	AKD035419795	KENAI PIPELINE CO NIKISKI TERM	KENAI	7
24	AKR000002584	ALASKA GARDEN & PET SUPPLY	ANCHORAGE	6
25	AKD980329585	TAPS PUMP STATION 6	FAIRBANKS	5
26	AK0000016709	KENT HUEY CCI INC.	FAIRBANKS	5
27	AKD000643239	PRUDHOE BAY UNIT WESTERN OPERATING AREA	PRUDHOE BAY	4
28	AKD982656498	TAPS VON HORN FACILITY	FAIRBANKS	4
29	AKD983068677	FAIRBANKS INTERNATIONAL AIRPORT ADOT & P	FAIRBANKS	4
30	AKD061038816	ANCHORAGE INTNL. AIRPORT STATE OF AK-DOT	ANCHORAGE	3
31	AK9690502167	USDOT FAA TANANA	TANANA	3
32	AK7570028632	USAF CAPE NEWENHAM LRRS	CAPE NEWENHAM	2
33	AKD983066390	COMINCO ALASKA INC RED DOG MINE	KIVALINA	2
34	AKD980977078	ANCHORAGE SCHOOL DIST FAC MAINTENANCE	ANCHORAGE	2
35	AK3570028677	USAF POINT LONELY LRRS	POINT LONELY	2
36	AK1570028695	USAF POINT BARROW LRRS	BARROW	2
37	AKD980329536	TAPS PUMP STATION 2	PRUDHOE BAY	2
38	AK9570028697	USAF POINT LAY LRRS	POINT LAY	2
39	AK1572728631	USAF CAPE LISBURNE LRRS	CAPE LISBURNE	1
40	AKR000003079	ADEC-CITY OF WHITTIER IMPOUND YARD	WHITTIER	1
41	AK3570028669	USAF KING SALMON	KING SALMON	1
42	AKD980329577	TAPS PUMP STATION 5	COLDFOOT	1
43	AKR000002170	ICY CAPE DEWLINE STA	WAINWRIGHT	1
44	AK3690502239	USDOT FAA KING SALMON	KING SALMON	1
45	AKD055503825	TEXACO ANCHORAGE SALES TERMINAL	ANCHORAGE	0
46	AKR000000471	PUBLIC WORKS CITY OF FAIRBANKS	FAIRBANKS	0
47	AKR000000174	USARMY USACE FT J H SMITH LITTLE NAVY	CHINIAK	0
48	AKD983076266	MAINLINE REFRIGERATION UNIT 7	GLENALLEN	0
49	AKD983076258	MAINLINE REFRIGERATION UNIT2	GLENALLEN	0

TOTAL

4,547

NOTE: STATE MAY HAVE FEWER THAN FIFTY GENERATORS.
GENERATORS WITH ZERO QUANTITY GENERATED ARE EXCLUDED.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

ALASKA

1997 WASTE GENERATION, CONTINUED

4 QUANTITIES OF WASTE GENERATED IN 1997 THAT WERE

- REPORTED WITH ONLY CHARACTERISTIC WASTE CODES
 - REPORTED WITH ONLY LISTED WASTE CODES
 - REPORTED WITH BOTH CHARACTERISTIC AND LISTED WASTE CODES

WASTE HAS ONLY CHARACTERISTIC CODES	TONS OF WASTE GENERATED	WASTE HAS ONLY LISTED CODES	TONS OF WASTE GENERATED	WASTE HAS BOTH CHARACTERISTIC AND LISTED CODES	TONS OF WASTE GENERATED
ONLY IGNITABLE	76	ONLY AN F CODE	66		
ONLY CORROSIVE	55	ONLY A K CODE	34		
ONLY REACTIVE	107	ONLY A P CODE	0		
ONLY D004-17	3,594	ONLY A U CODE	15		
ONLY D018-43	207				
HAS MORE THAN ONE CHARACTERISTIC CODE	310	HAS MORE THAN ONE LISTED CODE	0		
TOTAL	4,349	TOTAL	116	BOTH CHARACTERISTIC & LISTED	78

5 QUANTITIES OF WASTE GENERATED IN 1997 THAT WERE MULTIPLY CODED

WASTE HAS ONLY CHARACTERISTIC CODES BUT MORE THAN ONE APPLIES	TONS OF WASTE GENERATED	ONLY LISTED CODES BUT HAS MORE THAN ONE	TONS OF WASTE GENERATED	BOTH CHAR, AND LISTED CODES	TONS OF WASTE GENERATED
HAS IGNITABLE CODE	147			IGN. W/ AT LEAST 1 LSTD	58
HAS CORROSIVE CODE	10			CORR. W/ AT LEAST 1 LSTD	0
HAS REACTIVE CODE	9			REACT. W/ AT LEAST 1 LSTD	17
HAS D004-D017 CODE	207			D004-17 W/ AT LEAST 1 LSTD	33
HAS D018-D043 CODE	274			D018-43 W/ AT LEAST 1 LSTD	39
		HAS AN F CODE	0	F WASTE W/ AT LEAST 1 CHAR	76
		HAS A K CODE	0	K WASTE W/ AT LEAST 1 CHAR	0
		HAS A P CODE	0	P WASTE W/ AT LEAST 1 CHAR	0
		HAS A U CODE	0	U WASTE W/ AT LEAST 1 CHAR	3
TOTAL	310	TOTAL	0	TOTAL	78

NOTE: COLUMNS DO NOT SUM TO TOTAL BECAUSE A WASTE CODE MAY APPLY TO MORE THAN ONE WASTE.
 MIXTURES WITH IGNITABLE, CORROSIVE, REACTIVE, D004-17, AND D018-43 CHARACTERISTIC CODES ALSO MAY
 CONTAIN OTHER CHARACTERISTIC WASTE CODES.
 SIMILARLY, WASTES WITH F,K,P, AND U LISTED CODES MAY HAVE OTHER LISTED WASTE CODES.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

ALASKA

1997 WASTE MANAGEMENT

6 NUMBER OF RCRA TSD FACILITIES: 6

7 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED: 449,486 TONS

8 FIFTY LARGEST RCRA HAZARDOUS WASTE MANAGEMENT FACILITIES, 1997

RANK	EPA ID	SITE NAME	CITY	TONS OF WASTE MANAGED
----	-----	-----	----	-----
1	AKD048679682	TESORO ALASKA PETROLEUM CO KENAI REFIN	KENAI	449,479
2	AK8570028649	USAF ELMENDORF AFB	ELMENDORF AFB	7
TOTAL				449,486

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
 STATE MAY HAVE FEWER THAN FIFTY FACILITIES THAT MANAGED WASTE.
 FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

ALASKA

1997 WASTE MANAGEMENT, CONTINUED

9 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY MANAGEMENT METHOD, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
SOLVENTS RECOVERY	M021-M029	2	.0	1	50.0
OTHER RECOVERY	M031-M039	5	.0	1	50.0
DEEPWELL / UNDERGROUND INJECTION	M134	449,479	100.0	1	50.0
TOTAL		449,486	100.0	2	

10 MANAGEMENT METHOD, BY QUANTITY OF RCRA HAZARDOUS WASTE MANAGED, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
DEEPWELL / UNDERGROUND INJECTION	M134	449,479	100.0	1	50.0
OTHER RECOVERY	M031-M039	5	.0	1	50.0
SOLVENTS RECOVERY	M021-M029	2	.0	1	50.0
TOTAL		449,486	100.0	2	

11 MANAGEMENT METHOD AND QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY NUMBER OF FACILITIES, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
DEEPWELL / UNDERGROUND INJECTION	M134	449,479	100.0	1	50.0
SOLVENTS RECOVERY	M021-M029	2	.0	1	50.0
OTHER RECOVERY	M031-M039	5	.0	1	50.0
TOTAL		449,486	100.0	2	

NOTE: FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.
COLUMNS MAY NOT SUM DUE TO ROUNDING.
COLUMNS MAY NOT SUM TO TOTAL BECAUSE FACILITIES MAY HAVE MULTIPLE HANDLING METHODS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

ALASKA

1997 WASTE SHIPMENTS

12 NUMBER OF RCRA HAZARDOUS WASTE SHIPPERS: 48

13 QUANTITY OF RCRA HAZARDOUS WASTE SHIPPED: 4,609 TONS

14 FIFTY LARGEST RCRA HAZARDOUS WASTE SHIPPERS, 1997

RANK	EPA ID	SITE NAME	CITY	QUANTITY SHIPPED (TONS)
----	-----	-----	----	-----
1	AKD092876390	UNOCAL AG PRODUCTS KENAI PLANT	KENAI	2,134
2	AK0570000182	USAF WILDWOOD AFS	KENAI	822
3	AKD009252230	KETCHIKAN PULP CO.	KETCHIKAN	470
4	AK6210022426	USARMY FORT WAINWRIGHT	FORT WAINWRIGHT	197
5	AK4170024323	USNAVY CARETAKER SITE OFFICE ADAK	ADAK	151
6	AKD052581758	TAPS VALDEZ MARINE TERMINAL	VALDEZ	133
7	AK8570028649	USAF ELMENDORF AFB	ELMENDORF AFB	115
8	AKD048679682	TESORO ALASKA PETROLEUM CO KENAI REFIN	KENAI	99
9	AK9690330742	USDOT CG ISC KODIAK	KODIAK	71
10	AK1570028646	USAF EIELSON AFB	FAIRBANKS	66
11	AK1210022157	USARMY FORT RICHARDSON	FORT RICHARDSON	60
12	AK3210022155	USARMY FORT GREELY AK	FORT GREELY	45
13	AKD000850701	MAPCO NORTH POLE REFINERY	NORTH POLE	43
14	AKD991281221	ARCO PRUDHOE BAY OILFIELD EAST OPS	PRUDHOE BAY	21
15	AKD991281023	ARCO KUPARUK OILFIELD	DEADHORSE	20
16	AK3690500167	USDOT FAA ANNETTE ISLAND	ANNETTE	19
17	AK7570028632	USAF CAPE NEWENHAM LRRS	CAPE NEWENHAM	13
18	AK9570028705	USAF EARECKSON AIR STATION	SHEMYA ISLAND	12
19	AKR000002964	USDOT ADOT&PF DELTA M&O FACILITY	DELTA JUNCTION	10
20	AKD048679567	UNIVERSITY OF ALASKA FAIRBANKS	FAIRBANKS	9
21	AK1570028695	USAF POINT BARROW LRRS	BARROW	9
22	AKD000643239	PRUDHOE BAY UNIT WESTERN OPERATING AREA	PRUDHOE BAY	9
23	AK1570028638	CLEAR AIR STATION	CLEAR	8
24	AK9570028697	USAF POINT LAY LRRS	POINT LAY	8
25	AK3570028677	USAF POINT LONELY LRRS	POINT LONELY	7
26	AKR000002824	BUSKIN BEACH	KODIAK	7
27	AKD035419795	KENAI PIPELINE CO NIKISKI TERM	KENAI	7
28	AK1572728631	USAF CAPE LISBURNE LRRS	CAPE LISBURNE	6
29	AKR000002584	ALASKA GARDEN & PET SUPPLY	ANCHORAGE	6
30	AKD980329585	TAPS PUMP STATION 6	FAIRBANKS	5
31	AK0000016709	KENT HUEY CCI INC.	FAIRBANKS	5
32	AKD982656498	TAPS VON HORN FACILITY	FAIRBANKS	4
33	AKD983068677	FAIRBANKS INTERNATIONAL AIRPORT ADOT & P	FAIRBANKS	4
34	AKD061038816	ANCHORAGE INTNL. AIRPORT STATE OF AK-DOT	ANCHORAGE	3
35	AK9690502167	USDOT FAA TANANA	TANANA	3
36	AKD983066390	COMINCO ALASKA INC RED DOG MINE	KIVALINA	2
37	AK8690360492	USCG ISC KETCHIKAN	KETCHIKAN	2
38	AKD980329536	TAPS PUMP STATION 2	PRUDHOE BAY	2
39	AKR000003079	ADEC-CITY OF WHITTIER IMPOUND YARD	WHITTIER	1
40	AK3570028669	USAF KING SALMON	KING SALMON	1
41	AKD980329577	TAPS PUMP STATION 5	COLDFOOT	1
42	AKR000002170	ICY CAPE DEWLINE STA	WAINWRIGHT	1
43	AK3690502239	USDOT FAA KING SALMON	KING SALMON	1
44	AKD055503825	TEXACO ANCHORAGE SALES TERMINAL	ANCHORAGE	0
45	AKR000000471	PUBLIC WORKS CITY OF FAIRBANKS	FAIRBANKS	0
46	AKR000000174	USARMY USACE FT J H SMITH LITTLE NAVY	CHINIAK	0
47	AKD983076266	MAINLINE REFRIGERATION UNIT 7	GLENALLEN	0
48	AKD983076258	MAINLINE REFRIGERATION UNIT2	GLENALLEN	0

TOTAL

4,609

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY SHIPPERS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

ALASKA

1997 WASTE RECEIPTS

15 NUMBER OF RCRA HAZARDOUS WASTE RECEIVERS: **3**

16 QUANTITY OF RCRA HAZARDOUS WASTE RECEIVED: **77 TONS**

17 FIFTY LARGEST RCRA HAZARDOUS WASTE RECEIVERS, 1997

RANK	EPA ID	SITE NAME	CITY	QUANTITY RECEIVED (TONS)
----	-----	-----	----	-----
1	AK8570028649	USAF ELMENDORF AFB	ELMENDORF AFB	58
2	AK6210022426	USARMY FORT WAINWRIGHT	FORT WAINWRIGHT	19
3	AK9690330742	USDOT CG ISC KODIAK	KODIAK	1

TOTAL				77
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NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY FACILITIES THAT RECEIVED WASTE.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

ALASKA

1997 WASTE RECEIPTS, CONTINUED

TABLES 18, 19 AND 20 HAVE BEEN OMITTED FROM THIS REPORT BECAUSE THERE WERE NO FACILITIES IN ALASKA THAT REPORTED RECEIVING RCRA HAZARDOUS WASTE FROM OFFSITE IN 1997 OTHER THAN STORAGE ONLY FACILITIES.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

ALASKA

1997 IMPORTS AND EXPORTS

21 QUANTITY OF RCRA HAZARDOUS WASTE IMPORTED: 0 TONS

22 QUANTITY OF RCRA HAZARDOUS WASTE EXPORTED: 4,531 TONS

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

ARIZONA

1997 WASTE GENERATION

- 1 NUMBER OF RCRA LARGE QUANTITY GENERATORS (LQGS): 180
- 2 QUANTITY OF RCRA HAZARDOUS WASTE GENERATED: 53,031 TONS
- 3 FIFTY LARGEST RCRA HAZARDOUS WASTE GENERATORS IN THE STATE, 1997

RANK	EPA ID	SITE NAME	CITY	TOTAL GENERATED (TONS)
----	-----	-----	----	-----
1	AZD009005422	RAYTHEON MISSILE SYSTEMS	TUCSON	29,482
2	AZR000000604	NORTH STAR STEEL AZ	KINGMAN	5,307
3	AZD982491649	TRW	MESA	2,668
4	AZD001886597	BHP COPPER	SAN MANUEL	1,270
5	AZD049318009	LAIDLAW	PHX	1,243
6	AZD000625715	GOULD ELECTRONICS	CHANDLER	1,042
7	AZD983483488	ADFLEX SOLUTIONS	CHANDLER	972
8	AZD980896310	CONTINENTAL CIRCUITS	PHX	789
9	AZD043848050	MOTOROLA	MESA	738
10	AZD009004177	MOTOROLA	PHX	560
11	AZD063274609	CONTINENTAL CIRCUITS	PHX	544
12	AZP970304001	APS	PHX	479
13	AZD083726034	REVLON CONSUMER PRDTS	PHX	393
14	AZD980816920	MOTOROLA	CHANDLER	370
15	AZD982030652	AMCEP INC.	TUCSON	291
16	AZT050010636	GILBERT ENGR	GLENDALE	289
17	AZD983474453	BFI MEDICAL WASTE SYS	PHX	261
18	AZD980818330	NELCO TECH	TEMPE	224
19	AZD091235457	INTEL	CHANDLER	200
20	AZD982486169	METCO METAL FINISHING	PHX	194
21	AZR000001107	INTEL CORP	CHANDLER	192
22	AZD018517698	ALLIED SIGNAL	TEMPE	170
23	AZD980881163	MCDONNELL DOUGLAS HELICOPTER SYS	MESA	162
24	AZD009000050	ALLIED SIGNAL	PHX	157
25	AZ0000886572	SGS THOMSON MICROELECTRONICS	PHX	141
26	AZD068411651	TEXACO PHX SALES	PHX	131
27	AZD003987997	HEXCEL CORP	CASA GRANDE	129
28	AZD983480716	MINEREC MINING CHEMICALS	TUCSON	121
29	AZD008398505	CHEMRESEARCH CO	PHX	119
30	AZD041458555	MCCULLOCH CORP.	LAKE HAVASU CITY	117
31	AZD000819615	UNIVERSITY OF AZ	TUCSON	114
32	AZD020703310	LEARJET INC	TUCSON	113
33	AZ5213820991	U.S. ARMY YUMA PROV GRND	YUMA	112
34	AZT000624445	SOUTH BAY CIRCUITS	CHANDLER	111
35	AZT000617548	TEXACO TUCSON SALES	TUCSON	105
36	AZD981988967	MASTERCRAFT CABINETS	MESA	101
37	AZD008394454	BURR BROWN CORP	TUCSON	100
38	AZD079014221	GOWAN	YUMA	92
39	AZD009010273	PHX HEAT TREATING	PHX	92
40	AZ4570024055	DAVIS MONTHAN AFB	DAVIS MONTHAN AFB	90
41	AZ0000939850	HUNTER DOUGLAS WOOD PRODTS	CASA GRANDE	90
42	AZD983583048	QUALITY PRINTED CIRCUITS	PHX	86
43	AZD982400889	WEISER LOCK	TUCSON	85
44	AZD982041907	NORTHROP GRUMMAN	CHANDLER	82
45	AZD982471062	TRW-MESA	MESA	82
46	AZD982519746	IMATION	TUCSON	75
47	AZD081705402	PROLER INTL CORP	COOLIDGE	72
48	AZD982503393	SUNBELT REFINING	COOLIDGE	71
49	AZ0000206565	GOLDEN FALCON INTL	YUMA	70
50	AZD074440470	QUICK TURN CIRCUITS	PHX	67
TOTAL				50,564

NOTE: STATE MAY HAVE FEWER THAN FIFTY GENERATORS.
GENERATORS WITH ZERO QUANTITY GENERATED ARE EXCLUDED.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

ARIZONA

1997 WASTE GENERATION, CONTINUED

4 QUANTITIES OF WASTE GENERATED IN 1997 THAT WERE

- REPORTED WITH ONLY CHARACTERISTIC WASTE CODES
 - REPORTED WITH ONLY LISTED WASTE CODES
 - REPORTED WITH BOTH CHARACTERISTIC AND LISTED WASTE CODES

WASTE HAS ONLY CHARACTERISTIC CODES	TONS OF WASTE GENERATED	WASTE HAS ONLY LISTED CODES	TONS OF WASTE GENERATED	WASTE HAS BOTH CHARACTERISTIC AND LISTED CODES	TONS OF WASTE GENERATED
ONLY IGNITABLE	722	ONLY AN F CODE	32,310		
ONLY CORROSIVE	1,531	ONLY A K CODE	7,175		
ONLY REACTIVE	167	ONLY A P CODE	245		
ONLY D004-17	2,877	ONLY A U CODE	50		
ONLY D018-43	790				
HAS MORE THAN ONE CHARACTERISTIC CODE	2,380	HAS MORE THAN ONE LISTED CODE	557		
TOTAL	8,467	TOTAL	40,338	BOTH CHARACTERISTIC & LISTED	4,203

5 QUANTITIES OF WASTE GENERATED IN 1997 THAT WERE MULTIPLY CODED

WASTE HAS ONLY CHARACTERISTIC CODES BUT MORE THAN ONE APPLIES	TONS OF WASTE GENERATED	ONLY LISTED CODES BUT HAS MORE THAN ONE	TONS OF WASTE GENERATED	BOTH CHAR, AND LISTED CODES	TONS OF WASTE GENERATED
HAS IGNITABLE CODE	1,652			IGN. W/ AT LEAST 1 LSTD	3,490
HAS CORROSIVE CODE	1,121			CORR. W/ AT LEAST 1 LSTD	83
HAS REACTIVE CODE	151			REACT. W/ AT LEAST 1 LSTD	21
HAS D004-D017 CODE	2,199			D004-17 W/ AT LEAST 1 LSTD	1,076
HAS D018-D043 CODE	151			D018-43 W/ AT LEAST 1 LSTD	1,213
		HAS AN F CODE	0	F WASTE W/ AT LEAST 1 CHAR	4,147
		HAS A K CODE	553	K WASTE W/ AT LEAST 1 CHAR	0
		HAS A P CODE	557	P WASTE W/ AT LEAST 1 CHAR	4
		HAS A U CODE	4	U WASTE W/ AT LEAST 1 CHAR	58
TOTAL	2,380	TOTAL	557	TOTAL	4,203

NOTE: COLUMNS DO NOT SUM TO TOTAL BECAUSE A WASTE CODE MAY APPLY TO MORE THAN ONE WASTE.
 MIXTURES WITH IGNITABLE, CORROSIVE, REACTIVE, D004-17, AND D018-43 CHARACTERISTIC CODES ALSO MAY
 CONTAIN OTHER CHARACTERISTIC WASTE CODES.
 SIMILARLY, WASTES WITH F,K,P, AND U LISTED CODES MAY HAVE OTHER LISTED WASTE CODES.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

ARIZONA

1997 WASTE MANAGEMENT

6 NUMBER OF RCRA TSD FACILITIES: 23

7 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED: 4,218 TONS

8 FIFTY LARGEST RCRA HAZARDOUS WASTE MANAGEMENT FACILITIES, 1997

RANK	EPA ID	SITE NAME	CITY	TONS OF WASTE MANAGED
----	-----	-----	----	-----
1	AZD009015389	ROMIC ENVIRONMENTAL TECHNOLOGIES	CHANDLER	3,017
2	AZR000005454	EARTH PROTECTION SVC	PHX	1,105
3	AZ5213820991	U.S. ARMY YUMA PROV GRND	YUMA	92
4	AZT000624429	PALO VERDE NUCLEAR GEN STA	WINTERSBURG	2
5	AZ4570024055	DAVIS MONTHAN AFB	DAVIS MONTHAN AFB	2
TOTAL				4,218

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY FACILITIES THAT MANAGED WASTE.
FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

ARIZONA

1997 WASTE MANAGEMENT, CONTINUED

9 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY MANAGEMENT METHOD, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
-----	-----	-----	-----	-----	-----
METALS RECOVERY (FOR REUSE)	M011-M019	1,105	26.2	1	20.0
SOLVENTS RECOVERY	M021-M029	1,590	37.7	3	60.0
INCINERATION	M041-M049	106	2.5	2	40.0
FUEL BLENDING	M061	1,417	33.6	1	20.0
OTHER DISPOSAL SPECIFIED IN COMMENTS	M137	0	.0	1	20.0
TOTAL		4,218	100.0	5	

10 MANAGEMENT METHOD, BY QUANTITY OF RCRA HAZARDOUS WASTE MANAGED, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
-----	-----	-----	-----	-----	-----
SOLVENTS RECOVERY	M021-M029	1,590	37.7	3	60.0
FUEL BLENDING	M061	1,417	33.6	1	20.0
METALS RECOVERY (FOR REUSE)	M011-M019	1,105	26.2	1	20.0
INCINERATION	M041-M049	106	2.5	2	40.0
OTHER DISPOSAL SPECIFIED IN COMMENTS	M137	0	.0	1	20.0
TOTAL		4,218	100.0	5	

11 MANAGEMENT METHOD AND QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY NUMBER OF FACILITIES, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
-----	-----	-----	-----	-----	-----
SOLVENTS RECOVERY	M021-M029	1,590	37.7	3	60.0
INCINERATION	M041-M049	106	2.5	2	40.0
FUEL BLENDING	M061	1,417	33.6	1	20.0
OTHER DISPOSAL SPECIFIED IN COMMENTS	M137	0	.0	1	20.0
METALS RECOVERY (FOR REUSE)	M011-M019	1,105	26.2	1	20.0
TOTAL		4,218	100.0	5	

NOTE: FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.
COLUMNS MAY NOT SUM DUE TO ROUNDING.
COLUMNS MAY NOT SUM TO TOTAL BECAUSE FACILITIES MAY HAVE MULTIPLE HANDLING METHODS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

ARIZONA

1997 WASTE SHIPMENTS

12 NUMBER OF RCRA HAZARDOUS WASTE SHIPPERS: 170

13 QUANTITY OF RCRA HAZARDOUS WASTE SHIPPED: 57,088 TONS

14 FIFTY LARGEST RCRA HAZARDOUS WASTE SHIPPERS, 1997

RANK	EPA ID	SITE NAME	CITY	QUANTITY SHIPPED (TONS)
----	-----	-----	----	-----
1	AZD009005422	RAYTHEON MISSILE SYSTEMS	TUCSON	29,486
2	AZR000000604	NORTH STAR STEEL AZ	KINGMAN	5,307
3	AZD982491649	TRW	MESA	2,665
4	AZD049318009	LAIDLAW	PHX	2,633
5	AZD009015389	ROMIC ENVIRONMENTAL TECHNOLOGIES	CHANDLER	2,427
6	AZD001886597	BHP COPPER	SAN MANUEL	1,311
7	AZD000625715	GOULD ELECTRONICS	CHANDLER	1,042
8	AZD983483488	ADFLEX SOLUTIONS	CHANDLER	989
9	AZD980896310	CONTINENTAL CIRCUITS	PHX	789
10	AZD043848050	MOTOROLA	MESA	726
11	AZD009004177	MOTOROLA	PHX	553
12	AZD980892897	SAFETY-KLEEN CORP	TUCSON	482
13	AZP970304001	APS	PHX	479
14	AZD981969504	SAFETY KLEEN CORP	CHANDLER	476
15	AZD083726034	REVLON CONSUMER PRDTS	PHX	406
16	AZD980816920	MOTOROLA	CHANDLER	370
17	AZD063274609	CONTINENTAL CIRCUITS	PHX	365
18	AZT050010636	GILBERT ENGR	GLENDALE	293
19	AZD983474453	BFI MEDICAL WASTE SYS	PHX	261
20	AZD980818330	NELCO TECH	TEMPE	224
21	AZD091235457	INTEL	CHANDLER	200
22	AZR000001107	INTEL CORP	CHANDLER	192
23	AZD982486169	METCO METAL FINISHING	PHX	191
24	AZD980881163	MCDONNELL DOUGLAS HELICOPTER SYS	MESA	159
25	AZD009000050	ALLIED SIGNAL	PHX	143
26	AZD018517698	ALLIED SIGNAL	TEMPE	142
27	AZ0000886572	SGS THOMSON MICROELECTRONICS	PHX	141
28	AZD068411651	TEXACO PHX SALES	PHX	131
29	AZD003987997	HEXCEL CORP	CASA GRANDE	129
30	AZD041458555	MCCULLOCH CORP.	LAKE HAVASU CITY	118
31	AZD008398505	CHEMRESEARCH CO	PHX	116
32	AZD000819615	UNIVERSITY OF AZ	TUCSON	114
33	AZD020703310	LEARJET INC	TUCSON	113
34	AZT000624445	SOUTH BAY CIRCUITS	CHANDLER	111
35	AZT000617548	TEXACO TUCSON SALES	TUCSON	105
36	AZD008394454	BURR BROWN CORP	TUCSON	100
37	AZD981988967	MASTERCRAFT CABINETS	MESA	96
38	AZT050010180	ADVANCED ENV.TECH SVC	PHX	95
39	AZ4570024055	DAVIS MONTHAN AFB	DAVIS MONTHAN AFB	92
40	AZD079014221	GOWAN	YUMA	92
41	AZD009010273	PHX HEAT TREATING	PHX	92
42	AZD983583048	QUALITY PRINTED CIRCUITS	PHX	86
43	AZD983480716	MINEREC MINING CHEMICALS	TUCSON	85
44	AZD982400889	WEISER LOCK	TUCSON	85
45	AZD982041907	NORTHROP GRUMMAN	CHANDLER	82
46	AZD982471062	TRW-MESA	MESA	82
47	AZD982519746	IMATION	TUCSON	75
48	AZD081705402	PROLER INTL CORP	COOLIDGE	72
49	AZD982503393	SUNBELT REFINING	COOLIDGE	71
50	AZ0000206565	GOLDEN FALCON INTL	YUMA	70

TOTAL

54,663

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY SHIPPERS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

ARIZONA

1997 WASTE RECEIPTS

15 NUMBER OF RCRA HAZARDOUS WASTE RECEIVERS: 8

16 QUANTITY OF RCRA HAZARDOUS WASTE RECEIVED: 9,476 TONS

17 FIFTY LARGEST RCRA HAZARDOUS WASTE RECEIVERS, 1997

RANK	EPA ID	SITE NAME	CITY	QUANTITY RECEIVED (TONS)
----	-----	-----	----	-----
1	AZD009015389	ROMIC ENVIRONMENTAL TECHNOLOGIES	CHANDLER	4,479
2	AZD049318009	LAIDLAW	PHX	2,267
3	AZR000005454	EARTH PROTECTION SVC	PHX	1,119
4	AZD981969504	SAFETY KLEEN CORP	CHANDLER	1,073
5	AZD980892897	SAFETY-KLEEN CORP	TUCSON	390
6	AZT050010180	ADVANCED ENV.TECH SVC	PHX	141
7	AZD000819615	UNIVERSITY OF AZ	TUCSON	6
8	AZ4572190029	DRMO LUKE	GLENDALE	1
TOTAL				9,476

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY FACILITIES THAT RECEIVED WASTE.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

ARIZONA

1997 WASTE RECEIPTS, CONTINUED

18 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY MANAGEMENT METHOD,
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
METALS RECOVERY (FOR REUSE)	M011-M019	1,105	26.8	1	50.0
SOLVENTS RECOVERY	M021-M029	1,586	38.5	1	50.0
INCINERATION	M041-M049	14	.3	1	50.0
FUEL BLENDING	M061	1,417	34.4	1	50.0
OTHER DISPOSAL SPECIFIED IN COMMENTS	M137	0	.0	1	50.0
TOTAL		4,122	100.0	2	

19 MANAGEMENT METHOD, BY QUANTITY OF RCRA HAZARDOUS WASTE MANAGED
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
SOLVENTS RECOVERY	M021-M029	1,586	38.5	1	50.0
FUEL BLENDING	M061	1,417	34.4	1	50.0
METALS RECOVERY (FOR REUSE)	M011-M019	1,105	26.8	1	50.0
INCINERATION	M041-M049	14	.3	1	50.0
OTHER DISPOSAL SPECIFIED IN COMMENTS	M137	0	.0	1	50.0
TOTAL		4,122	100.0	2	

20 MANAGEMENT METHOD AND QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY NUMBER OF FACILITIES,
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
FUEL BLENDING	M061	1,417	34.4	1	50.0
OTHER DISPOSAL SPECIFIED IN COMMENTS	M137	0	.0	1	50.0
METALS RECOVERY (FOR REUSE)	M011-M019	1,105	26.8	1	50.0
SOLVENTS RECOVERY	M021-M029	1,586	38.5	1	50.0
INCINERATION	M041-M049	14	.3	1	50.0
TOTAL		4,122	100.0	2	

NOTE: FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.
COLUMNS MAY NOT SUM DUE TO ROUNDING.
COLUMNS MAY NOT SUM TO TOTAL BECAUSE FACILITIES MAY HAVE MULTIPLE HANDLING METHODS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

ARIZONA

1997 IMPORTS AND EXPORTS

21 QUANTITY OF RCRA HAZARDOUS WASTE IMPORTED: 3,913 TONS

22 QUANTITY OF RCRA HAZARDOUS WASTE EXPORTED: 51,869 TONS

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

ARKANSAS

1997 WASTE GENERATION

1 NUMBER OF RCRA LARGE QUANTITY GENERATORS (LQGS): 206

2 QUANTITY OF RCRA HAZARDOUS WASTE GENERATED: 1,052,744 TONS

3 FIFTY LARGEST RCRA HAZARDOUS WASTE GENERATORS IN THE STATE, 1997

RANK	EPA ID	SITE NAME	CITY	TOTAL GENERATED (TONS)
----	-----	-----	----	-----
1	ARD043195429	GREAT LAKES CHEMICAL CORPORATION	EL DORADO	752,607
2	ARD981057870	RINECO	BENTON	71,787
3	ARD981908890	NUCOR YAMATO STEEL	BLYTHERVILLE	50,822
4	ARD983278243	NUCOR STEEL ARKANSAS	BLYTHERVILLE	49,868
5	ARD006354161	REYNOLDS METALS CO GUM SPRINGS PLANT	ARCADELPHIA	38,067
6	ARD069748192	ENSCO INC	EL DORADO	32,437
7	ARD089234884	EASTMAN CHEMICAL CO ARKANSAS EASTMAN	BATESVILLE	15,260
8	ARD053730701	QUANEX MAXSTEEL DIVISION	FT SMITH	6,355
9	ARD983287889	GARRISON INDUSTRIES INC	EL DORADO	5,761
10	ARD052528809	ALBEMARLE CORPORATION SOUTH PLANT	MAGNOLIA	4,161
11	ARD093792067	CPS CHEMICAL COMPANY	W MEMPHIS	3,930
12	ARD091691261	ARKANSAS STEEL ASSOCIATES	NEWPORT	3,680
13	ARD067671313	WEYERHAEUSER DEQUEEN WOOD	DEQUEEN	2,015
14	ARD982558561	ALBEMARLE CORPORATION WEST PLANT	MAGNOLIA	1,325
15	ARD990660649	CEDAR CHEMICAL CORPORATION	W HELENA	1,084
16	ARD983267600	TOKUSEN USA INC	CONWAY	1,059
17	ARD000709584	SUPERIOR INDUSTRIES INTL INC	FAYETTEVILLE	786
18	ARD007240716	AMERON - PROTECTIVE COATINGS SYSTEMS	LITTLE ROCK	723
19	AR0000064311	REMINGTON ARMS CO INC	LONOKE	669
20	ARD000021998	LION OIL CO	EL DORADO	639
21	ARD092923184	BRYCE INTERNATIONAL LLC PLANT 2	SEARCY	539
22	ARD983288572	BPS INC UNIT II	HELENA	504
23	ARD981512270	ASH GROVE CEMENT COMPANY FOREMAN PLANT	FOREMAN	398
24	ARD139607048	CYRO INDUSTRIES	OSCEOLA	397
25	ARD044484780	DANAHER TOOL GROUP SPRINGDALE OPERATIONS	SPRINGDALE	363
26	ARD059634659	LILLY INDUSTRIES INC	LITTLE ROCK	338
27	ARD983274143	WAL MART INC RETURNS CENTER	BENTONVILLE	311
28	AR0000885889	INSPEC FOAMS INC	MAGNOLIA	280
29	ARD077395283	MAYBELLINE SALES INC	N LITTLE ROCK	260
30	ARD059637710	VIRCO MFG CORP	CONWAY	259
31	ARD006344972	BALL METAL FOOD CONTAINER CORP	SPRINGDALE	258
32	ARD980867642	S R OF ARKANSAS	WILSON	228
33	AR0213820707	US ARMY PINE BLUFF ARSENAL	PINE BLUFF	223
34	ARD983272485	TREFILARBED ARKANSAS INC	PINE BLUFF	214
35	ARD000022186	GREAT LAKES CHEMICAL CORPORATION SOUTH	EL DORADO	211
36	ARD983267733	BEKAERT CORPORATION	ROGERS	206
37	ARR000000547	QUALITY BEARING SERVICE	LITTLE ROCK	195
38	ARD062145388	NESTE POLYESTER INCORPORATED	FT SMITH	161
39	ARD038882676	KAWNEER COMPANY INC	SPRINGDALE	155
40	ARD006338099	CLARIDGE PRODUCTS AND EQUIPMENT INC	HARRISON	150
41	ARD000388983	STERLING PLUMBING GROUP INC	SHERIDAN	149
42	ARD021344700	AMTRAN CORPORATION	CONWAY	136
43	ARD006354484	ZENECA AG PRODUCTS NLR PLANT	N LITTLE ROCK	131
44	ARR000000083	AMERIMAX COATED PRODUCTS	W HELENA	122
45	ARD983273590	CRANE KEMLITE	JONESBORO	115
46	ARD006354294	WHITE RODGERS CO	BATESVILLE	115
47	ARD093404143	CENTURY TUBE CORPORATION	PINE BLUFF	110
48	ARD042755389	WHIRLPOOL CORP FORT SMITH DIV	FT SMITH	104
49	ARD049984214	DARLING STORE FIXTURES PARAGOULD PLANT	PARAGOULD	101
50	ARD006344824	KOPPERS INDUSTRIES INC	N LITTLE ROCK	93

TOTAL

1,049,860

NOTE: STATE MAY HAVE FEWER THAN FIFTY GENERATORS.
GENERATORS WITH ZERO QUANTITY GENERATED ARE EXCLUDED.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

ARKANSAS

1997 WASTE GENERATION, CONTINUED

4 QUANTITIES OF WASTE GENERATED IN 1997 THAT WERE

- REPORTED WITH ONLY CHARACTERISTIC WASTE CODES
 - REPORTED WITH ONLY LISTED WASTE CODES
 - REPORTED WITH BOTH CHARACTERISTIC AND LISTED WASTE CODES

WASTE HAS ONLY CHARACTERISTIC CODES	TONS OF WASTE GENERATED	WASTE HAS ONLY LISTED CODES	TONS OF WASTE GENERATED	WASTE HAS BOTH CHARACTERISTIC AND LISTED CODES	TONS OF WASTE GENERATED
ONLY IGNITABLE	6,139	ONLY AN F CODE	4,094		
ONLY CORROSIVE	286	ONLY A K CODE	149,706		
ONLY REACTIVE	1	ONLY A P CODE	5		
ONLY D004-17	19,280	ONLY A U CODE	112		
ONLY D018-43	6,232				
HAS MORE THAN ONE CHARACTERISTIC CODE	93,740	HAS MORE THAN ONE LISTED CODE	752,568		
TOTAL	125,680	TOTAL	906,485	BOTH CHARACTERISTIC & LISTED	20,579

5 QUANTITIES OF WASTE GENERATED IN 1997 THAT WERE MULTIPLY CODED

WASTE HAS ONLY CHARACTERISTIC CODES BUT MORE THAN ONE APPLIES	TONS OF WASTE GENERATED	ONLY LISTED CODES BUT HAS MORE THAN ONE	TONS OF WASTE GENERATED	BOTH CHAR, AND LISTED CODES	TONS OF WASTE GENERATED
HAS IGNITABLE CODE	92,649			IGN. W/ AT LEAST 1 LSTD	17,767
HAS CORROSIVE CODE	33,561			CORR. W/ AT LEAST 1 LSTD	177
HAS REACTIVE CODE	25,633			REACT. W/ AT LEAST 1 LSTD	125
HAS D004-D017 CODE	91,695			D004-17 W/ AT LEAST 1 LSTD	1,882
HAS D018-D043 CODE	2,921			D018-43 W/ AT LEAST 1 LSTD	12,669
		HAS AN F CODE	752,088	F WASTE W/ AT LEAST 1 CHAR	19,476
		HAS A K CODE	752,088	K WASTE W/ AT LEAST 1 CHAR	1,430
		HAS A P CODE	480	P WASTE W/ AT LEAST 1 CHAR	7
		HAS A U CODE	752,568	U WASTE W/ AT LEAST 1 CHAR	222
TOTAL	93,740	TOTAL	752,568	TOTAL	20,579

NOTE: COLUMNS DO NOT SUM TO TOTAL BECAUSE A WASTE CODE MAY APPLY TO MORE THAN ONE WASTE.
 MIXTURES WITH IGNITABLE, CORROSIVE, REACTIVE, D004-17, AND D018-43 CHARACTERISTIC CODES ALSO MAY
 CONTAIN OTHER CHARACTERISTIC WASTE CODES.
 SIMILARLY, WASTES WITH F,K,P, AND U LISTED CODES MAY HAVE OTHER LISTED WASTE CODES.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

ARKANSAS

1997 WASTE MANAGEMENT

6 NUMBER OF RCRA TSD FACILITIES: 23

7 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED: 1,001,426 TONS

8 FIFTY LARGEST RCRA HAZARDOUS WASTE MANAGEMENT FACILITIES, 1997

RANK	EPA ID	SITE NAME	CITY	TONS OF WASTE MANAGED
----	-----	-----	----	-----
1	ARD043195429	GREAT LAKES CHEMICAL CORPORATION	EL DORADO	750,900
2	ARD006354161	REYNOLDS METALS CO GUM SPRINGS PLANT	ARKADELPHIA	84,148
3	ARD981057870	RINECO	BENTON	59,383
4	ARD981512270	ASH GROVE CEMENT COMPANY FOREMAN PLANT	FOREMAN	52,611
5	ARD069748192	ENSCO INC	EL DORADO	38,462
6	ARD089234884	EASTMAN CHEMICAL CO ARKANSAS EASTMAN	BATESVILLE	15,866
7	AR0213820707	US ARMY PINE BLUFF ARSENAL	PINE BLUFF	56
TOTAL				1,001,426

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY FACILITIES THAT MANAGED WASTE.
FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

ARKANSAS

1997 WASTE MANAGEMENT, CONTINUED

9 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY MANAGEMENT METHOD, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
-----	-----	-----	-----	-----	-----
INCINERATION	M041-M049	89,432	8.9	4	57.1
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	65,448	6.5	3	42.9
FUEL BLENDING	M061	57,638	5.8	1	14.3
LANDFILL	M132	38,009	3.8	1	14.3
DEEPWELL / UNDERGROUND INJECTION	M134	750,900	75.0	1	14.3
TOTAL		1,001,426	100.0	7	

10 MANAGEMENT METHOD, BY QUANTITY OF RCRA HAZARDOUS WASTE MANAGED, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
-----	-----	-----	-----	-----	-----
DEEPWELL / UNDERGROUND INJECTION	M134	750,900	75.0	1	14.3
INCINERATION	M041-M049	89,432	8.9	4	57.1
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	65,448	6.5	3	42.9
FUEL BLENDING	M061	57,638	5.8	1	14.3
LANDFILL	M132	38,009	3.8	1	14.3
TOTAL		1,001,426	100.0	7	

11 MANAGEMENT METHOD AND QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY NUMBER OF FACILITIES, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
-----	-----	-----	-----	-----	-----
INCINERATION	M041-M049	89,432	8.9	4	57.1
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	65,448	6.5	3	42.9
FUEL BLENDING	M061	57,638	5.8	1	14.3
LANDFILL	M132	38,009	3.8	1	14.3
DEEPWELL / UNDERGROUND INJECTION	M134	750,900	75.0	1	14.3
TOTAL		1,001,426	100.0	7	

NOTE: FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.
COLUMNS MAY NOT SUM DUE TO ROUNDING.
COLUMNS MAY NOT SUM TO TOTAL BECAUSE FACILITIES MAY HAVE MULTIPLE HANDLING METHODS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

ARKANSAS

1997 WASTE SHIPMENTS

12 NUMBER OF RCRA HAZARDOUS WASTE SHIPPERS: 196

13 QUANTITY OF RCRA HAZARDOUS WASTE SHIPPED: 216,953 TONS

14 FIFTY LARGEST RCRA HAZARDOUS WASTE SHIPPERS, 1997

RANK	EPA ID	SITE NAME	CITY	QUANTITY SHIPPED (TONS)
----	-----	-----	----	-----
1	ARD981057870	RINECO	BENTON	71,543
2	ARD981908890	NUCOR YAMATO STEEL	BLYTHEVILLE	50,322
3	ARD983278243	NUCOR STEEL ARKANSAS	BLYTHEVILLE	49,868
4	ARD053730701	QUANEX MAXSTEEL DIVISION	FT SMITH	6,321
5	ARD983287889	GARRISON INDUSTRIES INC	EL DORADO	5,761
6	ARD052528809	ALBEMARLE CORPORATION SOUTH PLANT	MAGNOLIA	4,198
7	ARD093792067	CPS CHEMICAL COMPANY	W MEMPHIS	3,947
8	ARD091691261	ARKANSAS STEEL ASSOCIATES	NEWPORT	3,680
9	ARD067671313	WEYERHAEUSER DEQUEEN WOOD	DEQUEEN	2,015
10	ARD043195429	GREAT LAKES CHEMICAL CORPORATION	EL DORADO	1,702
11	ARD982558561	ALBEMARLE CORPORATION WEST PLANT	MAGNOLIA	1,321
12	ARD054575238	SAFETY KLEEN CORP	LITTLE ROCK	1,098
13	ARD990660649	CEDAR CHEMICAL CORPORATION	W HELENA	1,084
14	ARD983267600	TOKUSEN USA INC	CONWAY	1,059
15	ARD000709584	SUPERIOR INDUSTRIES INTL INC	FAYETTEVILLE	778
16	ARD007240716	AMERON - PROTECTIVE COATINGS SYSTEMS	LITTLE ROCK	723
17	ARD000021998	LION OIL CO	EL DORADO	669
18	AR0000064311	REMINGTON ARMS CO INC	LONOKE	669
19	ARD092923184	BRYCE INTERNATIONAL LLC PLANT 2	SEARCY	554
20	ARD983288572	BPS INC UNIT II	HELENA	506
21	ARD983272485	TREFILARBED ARKANSAS INC	PINE BLUFF	425
22	ARD139607048	CYRO INDUSTRIES	OSCEOLA	392
23	ARD044484780	DANAHER TOOL GROUP SPRINGDALE OPERATIONS	SPRINGDALE	364
24	ARD981512270	ASH GROVE CEMENT COMPANY FOREMAN PLANT	FOREMAN	355
25	ARD059634659	LILLY INDUSTRIES INC	LITTLE ROCK	347
26	ARD983274143	WAL MART INC RETURNS CENTER	BENTONVILLE	311
27	AR0000885889	INSPEC FOAMS INC	MAGNOLIA	289
28	ARD006344972	BALL METAL FOOD CONTAINER CORP	SPRINGDALE	260
29	ARD059637710	VIRCO MFG CORP	CONWAY	254
30	ARD077395283	MAYBELLINE SALES INC	N LITTLE ROCK	253
31	ARD980867642	S R OF ARKANSAS	WILSON	230
32	ARD089234884	EASTMAN CHEMICAL CO ARKANSAS EASTMAN	BATESVILLE	227
33	ARD000022186	GREAT LAKES CHEMICAL CORPORATION SOUTH	EL DORADO	211
34	ARD983267733	BEKAERT CORPORATION	ROGERS	206
35	ARR0000000547	QUALITY BEARING SERVICE	LITTLE ROCK	195
36	ARD038882676	KAWNEER COMPANY INC	SPRINGDALE	173
37	AR0213820707	US ARMY PINE BLUFF ARSENAL	PINE BLUFF	167
38	ARD062145388	NESTE POLYESTER INCORPORATED	FT SMITH	165
39	ARD006338099	CLARIDGE PRODUCTS AND EQUIPMENT INC	HARRISON	150
40	ARD000388983	STERLING PLUMBING GROUP INC	SHERIDAN	142
41	ARD021344700	AMTRAN CORPORATION	CONWAY	142
42	ARD006354484	ZENECA AG PRODUCTS NLR PLANT	N LITTLE ROCK	131
43	ARR0000000083	AMERIMAX COATED PRODUCTS	W HELENA	128
44	ARD983273590	CRANE KEMLITE	JONESBORO	115
45	ARD093404143	CENTURY TUBE CORPORATION	PINE BLUFF	109
46	ARD006354294	WHITE RODGERS CO	BATESVILLE	107
47	ARD049984214	DARLING STORE FIXTURES PARAGOULD PLANT	PARAGOULD	105
48	ARD042755389	WHIRLPOOL CORP FORT SMITH DIV	FT SMITH	104
49	ARD006344824	KOPPERS INDUSTRIES INC	N LITTLE ROCK	97
50	ARD035500818	SOUTHERN STEEL & WIRE CO	FT SMITH	92

TOTAL

214,062

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY SHIPPERS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

ARKANSAS

1997 WASTE RECEIPTS

15 NUMBER OF RCRA HAZARDOUS WASTE RECEIVERS: **6**

16 QUANTITY OF RCRA HAZARDOUS WASTE RECEIVED: **200,603 TONS**

17 FIFTY LARGEST RCRA HAZARDOUS WASTE RECEIVERS, 1997

RANK	EPA ID	SITE NAME	CITY	QUANTITY RECEIVED (TONS)
----	-----	-----	----	-----
1	ARD981057870	RINECO	BENTON	59,383
2	ARD981512270	ASH GROVE CEMENT COMPANY FOREMAN PLANT	FOREMAN	52,556
3	ARD006354161	REYNOLDS METALS CO GUM SPRINGS PLANT	ARKADELPHIA	46,139
4	ARD069748192	ENSCO INC	EL DORADO	40,896
5	ARD054575238	SAFETY KLEEN CORP	LITTLE ROCK	854
6	ARD089234884	EASTMAN CHEMICAL CO ARKANSAS EASTMAN	BATESVILLE	775

TOTAL				200,603
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NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY FACILITIES THAT RECEIVED WASTE.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

ARKANSAS

1997 WASTE RECEIPTS, CONTINUED

18 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY MANAGEMENT METHOD,
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997

MANAGEMENT METHOD -----	SYSTEM TYPE CODE -----	QUANTITY MANAGED (TONS) -----	PERCENTAGE OF QUANTITY -----	NUMBER OF FACILITIES -----	PERCENTAGE OF FACILITIES -----
INCINERATION	M041-M049	84,884	43.0	3	60.0
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	54,793	27.8	3	60.0
FUEL BLENDING	M061	57,638	29.2	1	20.0
TOTAL		197,316	100.0	5	

19 MANAGEMENT METHOD, BY QUANTITY OF RCRA HAZARDOUS WASTE MANAGED
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997

MANAGEMENT METHOD -----	SYSTEM TYPE CODE -----	QUANTITY MANAGED (TONS) -----	PERCENTAGE OF QUANTITY -----	NUMBER OF FACILITIES -----	PERCENTAGE OF FACILITIES -----
INCINERATION	M041-M049	84,884	43.0	3	60.0
FUEL BLENDING	M061	57,638	29.2	1	20.0
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	54,793	27.8	3	60.0
TOTAL		197,316	100.0	5	

20 MANAGEMENT METHOD AND QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY NUMBER OF FACILITIES,
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997

MANAGEMENT METHOD -----	SYSTEM TYPE CODE -----	QUANTITY MANAGED (TONS) -----	PERCENTAGE OF QUANTITY -----	NUMBER OF FACILITIES -----	PERCENTAGE OF FACILITIES -----
INCINERATION	M041-M049	84,884	43.0	3	60.0
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	54,793	27.8	3	60.0
FUEL BLENDING	M061	57,638	29.2	1	20.0
TOTAL		197,316	100.0	5	

NOTE: FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.
COLUMNS MAY NOT SUM DUE TO ROUNDING.
COLUMNS MAY NOT SUM TO TOTAL BECAUSE FACILITIES MAY HAVE MULTIPLE HANDLING METHODS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

ARKANSAS

1997 IMPORTS AND EXPORTS

21 QUANTITY OF RCRA HAZARDOUS WASTE IMPORTED: 184,823 TONS

22 QUANTITY OF RCRA HAZARDOUS WASTE EXPORTED: 202,661 TONS

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

CALIFORNIA

1997 WASTE GENERATION

1 NUMBER OF RCRA LARGE QUANTITY GENERATORS (LQGS): 1,782

2 QUANTITY OF RCRA HAZARDOUS WASTE GENERATED: 672,946 TONS

3 FIFTY LARGEST RCRA HAZARDOUS WASTE GENERATORS IN THE STATE, 1997

RANK	EPA ID	SITE NAME	CITY	TOTAL GENERATED (TONS)
1	CAD008292005	TYCO PRINTED CIRCUIT GROUP INC. LA DIVIS	INGLEWOOD	67,781
2	CAD983601360	SOUTH BAY CIRCUITS, INC. #3	SAN JOSE	65,819
3	CAD067786749	BKK LANDFILL	WEST COVINA	64,360
4	CA6170024289	NAVAL STATION SAN DIEGO	SAN DIEGO	61,569
5	CAD008488025	PHIBRO-TECH, INC.	SANTA FE SPRINGS	39,809
6	CAD009452657	ROMIC ENVIRONMENTAL TECHNOLOGIES, INC.	EAST PALO ALTO	24,271
7	CAD008304594	K & L ANODIZING CORP.	BURBANK	23,064
8	CAD066233966	QUEMETCO INC.	CITY OF INDUSTRY	22,312
9	CAD009151671	E. I. DU PONT DE NEMOURS & CO	ANTIOCH	19,499
10	CAD044429835	ENSCO WEST, INC.	WILMINGTON	11,573
11	CAD059494310	LAIDLAW ENVIRONMENTAL SERV. (SAN JOSE)	SAN JOSE	11,245
12	CAD097854541	GNB TECHNOLOGIES, INC.	LOS ANGELES	11,108
13	CAD095615027	LOS ANGELES COUNTY/USC MED, CENTER	LOS ANGELES	9,380
14	CAD009680232	GRAPHIC RESEARCH, INC.	CHATSWORTH	9,133
15	CAD000086686	VACCO INDUSTRIES	SOUTH EL MONTE	8,854
16	CAD982361404	TAMCO	RANCHO CUCAMONGA	8,609
17	CAD982520421	HADCO SANTA CLARA, INC.	SANTA CLARA	7,810
18	CAD097030993	U.S. FILTER RECOVERY SERVICES(CA), INC.	LOS ANGELES,	7,365
19	CAD041512427	GENERAL DYNAMICS/ CONV AIR DIV.	SAN DIEGO	7,164
20	CAD009547050	THE DOW CHEMICAL CO, TORRANCE FACILITY	TORRANCE	6,264
21	CAD000093500	FAIRCHILD SCREWCORP	INDUSTRY	5,990
22	CAD008364432	RHO CHEM CORPORATION	INGLEWOOD	5,530
23	CA7170090016	NAVAL AIR STATION, NORTH ISLAND	SAN DIEGO	4,512
24	CA7170024775	CSO MARE ISLAND	VALLEJO	4,265
25	CAD059498428	WESTAK	SUNNYVALE	3,930
26	CAT080010796	TOSCO REFINING COMPANY SANTA MARIA FACIL	ARROYO GRANDE	3,335
27	CAD008323396	DELPHI DIVISION, GENERAL MOTORS	ANAHEIM	3,169
28	CAD041520644	TEXACO REFINING & MARKETING INC., LOS AN	WILMINGTON	3,098
29	CAT080033681	D/K ENVIRONMENTAL	VERNON	3,057
30	CAD041319294	UNITED AIRLINES MAINT OPS CTR	SAN FRANCISCO	3,031
31	CAD080079601	IMATION CORP	CAMARILLO	2,452
32	CAD000030494	AEROJET SACRAMENTO OPERATIONS	RANCHO CORDOVA	2,379
33	CAD982029969	MODESTO ENERGY LIMITED PARTNERSHIP	WESTLEY	2,369
34	CAD076528678	THE DOW CHEMICAL COMPANY PITTSBURG, CA	PITTSBURG	2,198
35	CAD046055893	MC CURDY CIRCUITS, INC.	ORANGE	1,938
36	CAD982023988	GOLDEN GATE BRIDGE	SAN FRANCISCO	1,927
37	CAD093459485	SAFETY-KLEEN CORP.	REEDLEY	1,906
38	CAD982415630	HITEK PRODUCT FINISHING INC.	SAN JOSE	1,791
39	CAD982412165	TOPPAN WEST, INC.	SAN DIEGO	1,765
40	CAD066106097	SILGAN CONTAINERS CORPORATION	RIVERBANK	1,611
41	CAD008323388	JOHNSON CONTROLS BATTERY	FULLERTON	1,574
42	CAD062063375	UNILAB CORPORATION	TARZANA	1,494
43	CA0000084517	SAFETY-KLEEN CORP - SACRAMENTO, CA	SACRAMENTO	1,473
44	CAD092694538	ALPHA THERAPEUTIC CORPORATION	LOS ANGELES	1,337
45	CAD008384588	MCDONNELL DOUGLAS AEROSPACE	HUNTINGTON BEACH	1,311
46	CA2170023236	NAVY TRANSITION OFFICE - ALAMEDA POINT	ALAMEDA	1,263
47	CAD010925576	VAN WATERS & ROGERS - SAN JOSE	SAN JOSE	1,120
48	CAD008354052	MOBIL OIL CORP. - TORRANCE REFINERY	TORRANCE	1,116
49	CAT080013352	DEMENNO/KERDOON	COMPTON	1,085
50	CAD000051433	NEW UNITED MOTOR MANUFACTURING, INC.	FREMONT	1,081

TOTAL

560,098

NOTE: STATE MAY HAVE FEWER THAN FIFTY GENERATORS.
GENERATORS WITH ZERO QUANTITY GENERATED ARE EXCLUDED.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

CALIFORNIA

1997 WASTE GENERATION, CONTINUED

4 QUANTITIES OF WASTE GENERATED IN 1997 THAT WERE

- REPORTED WITH ONLY CHARACTERISTIC WASTE CODES
- REPORTED WITH ONLY LISTED WASTE CODES
- REPORTED WITH BOTH CHARACTERISTIC AND LISTED WASTE CODES

WASTE HAS ONLY CHARACTERISTIC CODES	TONS OF WASTE GENERATED	WASTE HAS ONLY LISTED CODES	TONS OF WASTE GENERATED	WASTE HAS BOTH CHARACTERISTIC AND LISTED CODES	TONS OF WASTE GENERATED
ONLY IGNITABLE	11,479	ONLY AN F CODE	197,116		
ONLY CORROSIVE	91,003	ONLY A K CODE	9,404		
ONLY REACTIVE	503	ONLY A P CODE	102		
ONLY D004-17	94,003	ONLY A U CODE	1,615		
ONLY D018-43	65,169				
HAS MORE THAN ONE CHARACTERISTIC CODE	141,825	HAS MORE THAN ONE LISTED CODE	1,256		
TOTAL	403,981	TOTAL	209,493	BOTH CHARACTERISTIC & LISTED	59,329

5 QUANTITIES OF WASTE GENERATED IN 1997 THAT WERE MULTIPLY CODED

WASTE HAS ONLY CHARACTERISTIC CODES BUT MORE THAN ONE APPLIES	TONS OF WASTE GENERATED	ONLY LISTED CODES BUT HAS MORE THAN ONE	TONS OF WASTE GENERATED	BOTH CHAR, AND LISTED CODES	TONS OF WASTE GENERATED
HAS IGNITABLE CODE	51,220			IGN. W/ AT LEAST 1 LSTD	33,951
HAS CORROSIVE CODE	93,859			CORR. W/ AT LEAST 1 LSTD	5,300
HAS REACTIVE CODE	1,145			REACT. W/ AT LEAST 1 LSTD	511
HAS D004-D017 CODE	130,192			D004-17 W/ AT LEAST 1 LSTD	27,570
HAS D018-D043 CODE	28,279			D018-43 W/ AT LEAST 1 LSTD	18,913
		HAS AN F CODE	234	F WASTE W/ AT LEAST 1 CHAR	55,175
		HAS A K CODE	92	K WASTE W/ AT LEAST 1 CHAR	1,380
		HAS A P CODE	1,028	P WASTE W/ AT LEAST 1 CHAR	1,345
		HAS A U CODE	1,158	U WASTE W/ AT LEAST 1 CHAR	3,497
TOTAL	141,825	TOTAL	1,256	TOTAL	59,329

NOTE: COLUMNS DO NOT SUM TO TOTAL BECAUSE A WASTE CODE MAY APPLY TO MORE THAN ONE WASTE.
 MIXTURES WITH IGNITABLE, CORROSIVE, REACTIVE, D004-17, AND D018-43 CHARACTERISTIC CODES ALSO MAY
 CONTAIN OTHER CHARACTERISTIC WASTE CODES.
 SIMILARLY, WASTES WITH F,K,P, AND U LISTED CODES MAY HAVE OTHER LISTED WASTE CODES.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

CALIFORNIA

1997 WASTE MANAGEMENT

6 NUMBER OF RCRA TSD FACILITIES: 250

7 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED: 1,160,627 TONS

8 FIFTY LARGEST RCRA HAZARDOUS WASTE MANAGEMENT FACILITIES, 1997

RANK	EPA ID	SITE NAME	CITY	TONS OF WASTE MANAGED
----	-----	-----	----	-----
1	CAD009452657	ROMIC ENVIRONMENTAL TECHNOLOGIES, INC.	EAST PALO ALTO	701,508
2	CAD066233966	QUEMETCO INC.	CITY OF INDUSTRY	154,752
3	CAT000646117	CHEMICAL WASTE MANAGEMENT, INC.	KETTLEMAN CITY	78,816
4	CAD067786749	BKK LANDFILL	WEST COVINA	64,022
5	CAD008488025	PHIBRO-TECH, INC.	SANTA FE SPRINGS	35,785
6	CAD000633164	LAIDLAW ENVIRONMENTAL SERVICES (IMPERIAL	WESTMORLAND	23,955
7	CAD093459485	SAFETY-KLEEN CORP.	REEDLEY	21,496
8	CAT080033681	D/K ENVIRONMENTAL	VERNON	17,175
9	CAD982444887	NATIONAL CEMENT CO.	LEBEC	16,021
10	CAD008302903	CHEMICAL WASTE MANAGEMENT - AZUSA	AZUSA	9,749
11	CAD980675276	LAIDLAW ENVIRONMENTAL SERVICE (LOKERN),	BUTTONWILLOW	9,466
12	CAD008252405	PACIFIC RESOURCE RECOVERY	LOS ANGELES	9,176
13	CAD008364432	RHO CHEM CORPORATION	INGLEWOOD	5,525
14	CAD044429835	ENSCO WEST, INC.	WILMINGTON	3,483
15	CAT080013352	DEMENNO/KERDOON	COMPTON	3,268
16	CAD088504881	KINSBURSKY BROTHERS SUPPLY INC.	ANAHEIM	1,862
17	CAD981160948	PHIBRO-TECH, INC.	UNION CITY	1,194
18	CAD076528678	THE DOW CHEMICAL COMPANY PITTSBURG, CA	PITTSBURG	1,047
19	CAD983600339	KAISER FOUNDATION HOSPITALS	BERKELEY	659
20	CAD089446710	AMERICAN RECOVERY, INC	ALHAMBRA	416
21	CAD009114919	CHEVRON PRODUCTS COMPANY	RICHMOND	339
22	CAT000612150	ENGELHARD WEST, INC.	ANAHEIM	150
23	CAD043237486	CHEVRON CHEMICAL CO.	RICHMOND	142
24	CAD097854541	GNB TECHNOLOGIES, INC.	LOS ANGELES	127
25	CAD059494310	LAIDLAW ENVIRONMENTAL SERV. (SAN JOSE)	SAN JOSE	89
26	CAD077182293	METECH INTERNATIONAL, INC.	GILROY	77
27	CAD050806850	LAIDLAW ENV. SERVICES (LOS ANGELES), INC	LOS ANGELES	64
28	CAD020161642	DETREX CORPORATION	LOS ANGELES	61
29	CAD000060012	IT CORPORATION PANOCHE FACILITY	BENICIA	45
30	CAD044046274	ASHLAND CHEMICAL CO.	COMMERCE	42
31	CA7170090016	NAVAL AIR STATION, NORTH ISLAND	SAN DIEGO	35
32	CA6170024289	NAVAL STATION SAN DIEGO	SAN DIEGO	34
33	CAD069124717	MICRO METALLICS CORPORATION	SAN JOSE	33
34	CAD982041980	SIGMA MEDICAL IMAGING, INC.	FRESNO	4
35	CAD009108705	UNOCAL CORPORATION SAN FRANCISCO REFINER	RODEO	4
36	CAD982316523	SPEC-ELECTROPLATING	SAN RAFAEL	2
37	CAD982523102	PHOTOTEK	SAN JOSE	2
38	CAD982521460	IT CORPORATION VINE HILL COMPLEX	MARTINEZ	2
39	CA9800013030	JET PROPULSION LABORATORY	PASADENA	2
40	CAD000633305	MAIN STREET CENTER	LOS ANGELES	1
41	CAD983591090	DAVIS X-RAY SERVICE & SUPPLIES, INC.	REDDING	0
42	CAD981450893	AMGEN, INC.	THOUSAND OAKS	0
43	CAD981689953	CONTRA COSTA NEWSPAPERS	WALNUT CREEK	0

TOTAL

1,160,627

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY FACILITIES THAT MANAGED WASTE.
FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

CALIFORNIA

1997 WASTE MANAGEMENT, CONTINUED

9 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY MANAGEMENT METHOD, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
METALS RECOVERY (FOR REUSE)	M011-M019	194,726	16.8	18	41.9
SOLVENTS RECOVERY	M021-M029	199,110	17.2	7	16.3
OTHER RECOVERY	M031-M039	6	.0	3	7.0
INCINERATION	M041-M049	3,834	.3	8	18.6
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	19,635	1.7	5	11.6
FUEL BLENDING	M061	544,919	47.0	7	16.3
SLUDGE TREATMENT	M101-M109	17,407	1.5	4	9.3
STABILIZATION	M111-M119	92,375	8.0	5	11.6
LANDFILL	M132	18,541	1.6	9	20.9
DEEPWELL / UNDERGROUND INJECTION	M134	0	.0	1	2.3
OTHER DISPOSAL SPECIFIED IN COMMENTS	M137	69,902	6.0	7	16.3
UNKNOWN SYSTEM DUE TO INVALID CODE	ER-IN-DEF	172	.0	3	7.0
TOTAL		1,160,627	100.0	43	

10 MANAGEMENT METHOD, BY QUANTITY OF RCRA HAZARDOUS WASTE MANAGED, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
FUEL BLENDING	M061	544,919	47.0	7	16.3
SOLVENTS RECOVERY	M021-M029	199,110	17.2	7	16.3
METALS RECOVERY (FOR REUSE)	M011-M019	194,726	16.8	18	41.9
STABILIZATION	M111-M119	92,375	8.0	5	11.6
OTHER DISPOSAL SPECIFIED IN COMMENTS	M137	69,902	6.0	7	16.3
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	19,635	1.7	5	11.6
LANDFILL	M132	18,541	1.6	9	20.9
SLUDGE TREATMENT	M101-M109	17,407	1.5	4	9.3
INCINERATION	M041-M049	3,834	.3	8	18.6
UNKNOWN SYSTEM DUE TO INVALID CODE	ER-IN-DEF	172	.0	3	7.0
OTHER RECOVERY	M031-M039	6	.0	3	7.0
DEEPWELL / UNDERGROUND INJECTION	M134	0	.0	1	2.3
TOTAL		1,160,627	100.0	43	

11 MANAGEMENT METHOD AND QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY NUMBER OF FACILITIES, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
METALS RECOVERY (FOR REUSE)	M011-M019	194,726	16.8	18	41.9
LANDFILL	M132	18,541	1.6	9	20.9
INCINERATION	M041-M049	3,834	.3	8	18.6
FUEL BLENDING	M061	544,919	47.0	7	16.3
OTHER DISPOSAL SPECIFIED IN COMMENTS	M137	69,902	6.0	7	16.3
SOLVENTS RECOVERY	M021-M029	199,110	17.2	7	16.3
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	19,635	1.7	5	11.6
STABILIZATION	M111-M119	92,375	8.0	5	11.6
SLUDGE TREATMENT	M101-M109	17,407	1.5	4	9.3
UNKNOWN SYSTEM DUE TO INVALID CODE	ER-IN-DEF	172	.0	3	7.0
OTHER RECOVERY	M031-M039	6	.0	3	7.0
DEEPWELL / UNDERGROUND INJECTION	M134	0	.0	1	2.3
TOTAL		1,160,627	100.0	43	

NOTE: FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.
COLUMNS MAY NOT SUM DUE TO ROUNDING.
COLUMNS MAY NOT SUM TO TOTAL BECAUSE FACILITIES MAY HAVE MULTIPLE HANDLING METHODS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

CALIFORNIA

1997 WASTE SHIPMENTS

12 NUMBER OF RCRA HAZARDOUS WASTE SHIPPERS: 1,713

13 QUANTITY OF RCRA HAZARDOUS WASTE SHIPPED: 563,673 TONS

14 FIFTY LARGEST RCRA HAZARDOUS WASTE SHIPPERS, 1997

RANK	EPA ID	SITE NAME	CITY	QUANTITY SHIPPED (TONS)
----	-----	-----	----	-----
1	CAD008302903	CHEMICAL WASTE MANAGEMENT - AZUSA	AZUSA	98,712
2	CA6170024289	NAVAL STATION SAN DIEGO	SAN DIEGO	61,535
3	CAD982471088	HY-TECH PLATING INC.	SAN CARLOS	32,500
4	CAD009452657	ROMIC ENVIRONMENTAL TECHNOLOGIES, INC.	EAST PALO ALTO	25,599
5	CAD008304594	K & L ANODIZING CORP.	BURBANK	23,064
6	CAD066233966	QUEMETCO INC.	CITY OF INDUSTRY	22,214
7	CAD097854541	GNB TECHNOLOGIES, INC.	LOS ANGELES	12,122
8	CAD044429835	ENSCO WEST, INC.	WILMINGTON	11,367
9	CAD059494310	LAIDLAW ENVIRONMENTAL SERV. (SAN JOSE)	SAN JOSE	11,106
10	CAD095615027	LOS ANGELES COUNTY/USC MED, CENTER	LOS ANGELES	9,380
11	CAD097030993	U.S. FILTER RECOVERY SERVICES(CA), INC.	LOS ANGELES,	9,040
12	CAD050806850	LAIDLAW ENV. SERVICES (LOS ANGELES), INC	LOS ANGELES	8,364
13	CAD982361404	TAMCO	RANCHO CUCAMONGA	8,226
14	CAD008252405	PACIFIC RESOURCE RECOVERY	LOS ANGELES	7,577
15	CAD982520421	HADCO SANTA CLARA, INC.	SANTA CLARA	7,450
16	CAT000646117	CHEMICAL WASTE MANAGEMENT, INC.	KETTLEMAN CITY	7,411
17	CAD041512427	GENERAL DYNAMICS/ CONV AIR DIV.	SAN DIEGO	7,164
18	CAD008364432	RHO CHEM CORPORATION	INGLEWOOD	5,532
19	CAT000613976	SAFETY-KLEEN CORP - SANTA ANA, CA	SANTA ANA	5,412
20	CA7170090016	NAVAL AIR STATION, NORTH ISLAND	SAN DIEGO	4,512
21	CA7170024775	CSO MARE ISLAND	VALLEJO	4,250
22	CAT000613893	SAFETY-KLEEN CORP - EL MONTE, CA	EL MONTE	4,147
23	CAD008488025	PHIBRO-TECH, INC.	SANTA FE SPRINGS	4,024
24	CAD000088252	STATEWIDE ENVIRONMENTAL SERVICES	LOS ANGELES	3,923
25	CA0000084517	SAFETY-KLEEN CORP - SACRAMENTO, CA	SACRAMENTO	3,639
26	CAT080010796	TOSCO REFINING COMPANY SANTA MARIA FACIL	ARROYO GRANDE	3,335
27	CAD008323396	DELPHI DIVISION, GENERAL MOTORS	ANAHEIM	3,169
28	CAD041520644	TEXACO REFINING & MARKETING INC., LOS AN	WILMINGTON	3,098
29	CAT080033681	D/K ENVIRONMENTAL	VERNON	2,933
30	CAD041319294	UNITED AIRLINES MAINT OPS CTR	SAN FRANCISCO	2,837
31	CAD000030494	AEROJET SACRAMENTO OPERATIONS	RANCHO CORDOVA	2,371
32	CAD982029969	MODESTO ENERGY LIMITED PARTNERSHIP	WESTLEY	2,369
33	CAD053044053	SAFETY-KLEEN CORP - OAKLAND, CA	OAKLAND	2,294
34	CAD046055893	MC CURDY CIRCUITS, INC.	ORANGE	1,938
35	CAD982023988	GOLDEN GATE BRIDGE	SAN FRANCISCO	1,927
36	CAD093459485	SAFETY-KLEEN CORP.	REEDLEY	1,906
37	CAD008262602	SPECTROLAB	SYLMAR	1,822
38	CAD982412165	TOPPAN WEST, INC.	SAN DIEGO	1,765
39	CAT000613927	SAFETY-KLEEN CORP - HIGHLAND, CA	HIGHLAND	1,714
40	CAD066106097	SILGAN CONTAINERS CORPORATION	RIVERBANK	1,611
41	CAD008323388	JOHNSON CONTROLS BATTERY	FULLERTON	1,574
42	CAD062063375	UNILAB CORPORATION	TARZANA	1,489
43	CAD092694538	ALPHA THERAPEUTIC CORPORATION	LOS ANGELES	1,337
44	CAD008384588	MCDONNELL DOUGLAS AEROSPACE	HUNTINGTON BEACH	1,311
45	CA2170023236	NAVY TRANSITION OFFICE - ALAMEDA POINT	ALAMEDA	1,263
46	CA0001019694	HUNTERS POINT SHIPYARD, SAN FRANCISCO CA	SAN FRANCISCO	1,243
47	CAT000613935	SAFETY-KLEEN CORP - LOS ANGELES, CA	LOS ANGELES	1,230
48	CAD981412356	PACIFIC TREATMENT ENVIRON. SERVICES, INC	EL CAJON	1,223
49	CAT000613943	SAFETY-KLEEN CORP - ROHNERT PARK, CA	ROHNERT PARK	1,178
50	CAD066113465	SAFETY-KLEEN CORP - FRESNO, CA	FRESNO	1,168

TOTAL

446,377

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY SHIPPERS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

CALIFORNIA

1997 WASTE RECEIPTS

15 NUMBER OF RCRA HAZARDOUS WASTE RECEIVERS: 50

16 QUANTITY OF RCRA HAZARDOUS WASTE RECEIVED: 1,535,991 TONS

17 FIFTY LARGEST RCRA HAZARDOUS WASTE RECEIVERS, 1997

RANK	EPA ID	SITE NAME	CITY	QUANTITY RECEIVED (TONS)
----	-----	-----	----	-----
1	CAD009452657	ROMIC ENVIRONMENTAL TECHNOLOGIES, INC.	EAST PALO ALTO	1,143,838
2	CAD066233966	QUEMETCO INC.	CITY OF INDUSTRY	154,632
3	CAT000646117	CHEMICAL WASTE MANAGEMENT, INC.	KETTLEMAN CITY	78,722
4	CAD000633164	LAIDLAW ENVIRONMENTAL SERVICES (IMPERIAL	WESTMORLAND	23,955
5	CAD093459485	SAFETY-KLEEN CORP.	REEDLEY	21,544
6	CAT080033681	D/K ENVIRONMENTAL	VERNON	17,037
7	CAD982444887	NATIONAL CEMENT CO.	LEBEC	16,021
8	CAD008302903	CHEMICAL WASTE MANAGEMENT - AZUSA	AZUSA	12,249
9	CAD980675276	LAIDLAW ENVIRONMENTAL SERVICE (LOKERN),	BUTTONWILLOW	9,466
10	CAD008252405	PACIFIC RESOURCE RECOVERY	LOS ANGELES	8,133
11	CAD050806850	LAIDLAW ENV. SERVICES (LOS ANGELES), INC	LOS ANGELES	7,277
12	CAT080014079	ADVANCED ENVIRONMENTAL TECHNICAL SERVICE	RICHMOND	5,610
13	CAD008364432	RHO CHEM CORPORATION	INGLEWOOD	5,525
14	CAT000613976	SAFETY-KLEEN CORP - SANTA ANA, CA	SANTA ANA	4,162
15	CAT000613893	SAFETY-KLEEN CORP - EL MONTE, CA	EL MONTE	4,000
16	CAD044429835	ENSCO WEST, INC.	WILMINGTON	3,492
17	CAT080013352	DEMENNO/KERDOON	COMPTON	3,268
18	CA0000084517	SAFETY-KLEEN CORP - SACRAMENTO, CA	SACRAMENTO	2,383
19	CAD059494310	LAIDLAW ENVIRONMENTAL SERV. (SAN JOSE)	SAN JOSE	2,217
20	CAD053044053	SAFETY-KLEEN CORP - OAKLAND, CA	OAKLAND	2,046
21	CAD088504881	KINSBURSKY BROTHERS SUPPLY INC.	ANAHEIM	2,035
22	CAT000613927	SAFETY-KLEEN CORP - HIGHLAND, CA	HIGHLAND	1,468
23	CAD981160948	PHIBRO-TECH, INC.	UNION CITY	1,194
24	CAT000613943	SAFETY-KLEEN CORP - ROHNERT PARK, CA	ROHNERT PARK	1,078
25	CAD066113465	SAFETY-KLEEN CORP - FRESNO, CA	FRESNO	1,052
26	CAT000613935	SAFETY-KLEEN CORP - LOS ANGELES, CA	LOS ANGELES	983
27	CAD983600339	KAISER FOUNDATION HOSPITALS	BERKELEY	659
28	CAT000613968	SAFETY-KLEEN CORP - SALIDA, CA	SALIDA	568
29	CAD089446710	AMERICAN RECOVERY, INC	ALHAMBRA	416
30	CAD028409019	CROSBY & OVERTON, INC.	LONG BEACH	157
31	CAT000612150	ENGELHARD WEST, INC.	ANAHEIM	150
32	CAD097854541	GNB TECHNOLOGIES, INC.	LOS ANGELES	127
33	CAD008488025	PHIBRO-TECH, INC.	SANTA FE SPRINGS	90
34	CA7170090016	NAVAL AIR STATION, NORTH ISLAND	SAN DIEGO	81
35	CAD077182293	METECH INTERNATIONAL, INC.	GILROY	77
36	CA6170024289	NAVAL STATION SAN DIEGO	SAN DIEGO	61
37	CAD020161642	DETREX CORPORATION	LOS ANGELES	61
38	CAD000633230	RAYTHEON SYSTEMS COMPANY, SENSORS AND EL	EL SEGUNDO	39
39	CAT080022148	BROCO ENVIRONMENTAL, INC.	RIALTO	36
40	CAD069124717	MICRO METALLICS CORPORATION	SAN JOSE	33
41	CAD060897063	HUGHES SPACE AND COMMUNICATIONS COMPANY	EL SEGUNDO	13
42	CA2890012584	LAWRENCE LIVERMORE NATIONAL LABORATORY M	LIVERMORE	12
43	CAD981168107	SDG&E - MIRAMAR	SAN DIEGO	10
44	CAT000625137	SOUTHERN CALIFORNIA GAS COMPANY PICO RIV	PICO RIVERA	9
45	CAD982041980	SIGMA MEDICAL IMAGING, INC.	FRESNO	4
46	CAD990843989	IBM CORPORATION	SAN JOSE	3
47	CAD000633305	MAIN STREET CENTER	LOS ANGELES	1
48	CA4890008986	LAWRENCE BERKELEY NATIONAL LABORATORY	BERKELEY	0
49	CAT080010101	APPROPRIATE TECHNOLOGIES II, INC.	CHULA VISTA	0
50	CAD983591090	DAVIS X-RAY SERVICE & SUPPLIES, INC.	REDDING	0
TOTAL				1,535,991

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY FACILITIES THAT RECEIVED WASTE.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

CALIFORNIA

1997 WASTE RECEIPTS, CONTINUED

18 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY MANAGEMENT METHOD,
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
METALS RECOVERY (FOR REUSE)	M011-M019	158,819	15.4	14	50.0
SOLVENTS RECOVERY	M021-M029	197,042	19.1	7	25.0
OTHER RECOVERY	M031-M039	0	.0	1	3.6
INCINERATION	M041-M049	2,603	.3	5	17.9
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	19,635	1.9	5	17.9
FUEL BLENDING	M061	520,689	50.4	7	25.0
SLUDGE TREATMENT	M101-M109	17,025	1.6	1	3.6
STABILIZATION	M111-M119	92,281	8.9	5	17.9
LANDFILL	M132	18,494	1.8	7	25.0
DEEPWELL / UNDERGROUND INJECTION	M134	0	.0	1	3.6
OTHER DISPOSAL SPECIFIED IN COMMENTS	M137	5,880	.6	6	21.4
TOTAL		1,032,468	100.0	28	

19 MANAGEMENT METHOD, BY QUANTITY OF RCRA HAZARDOUS WASTE MANAGED
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
FUEL BLENDING	M061	520,689	50.4	7	25.0
SOLVENTS RECOVERY	M021-M029	197,042	19.1	7	25.0
METALS RECOVERY (FOR REUSE)	M011-M019	158,819	15.4	14	50.0
STABILIZATION	M111-M119	92,281	8.9	5	17.9
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	19,635	1.9	5	17.9
LANDFILL	M132	18,494	1.8	7	25.0
SLUDGE TREATMENT	M101-M109	17,025	1.6	1	3.6
OTHER DISPOSAL SPECIFIED IN COMMENTS	M137	5,880	.6	6	21.4
INCINERATION	M041-M049	2,603	.3	5	17.9
DEEPWELL / UNDERGROUND INJECTION	M134	0	.0	1	3.6
OTHER RECOVERY	M031-M039	0	.0	1	3.6
TOTAL		1,032,468	100.0	28	

20 MANAGEMENT METHOD AND QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY NUMBER OF FACILITIES,
LIMITED TO WASTE RECEIVED FROM OFF SITE, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
METALS RECOVERY (FOR REUSE)	M011-M019	158,819	15.4	14	50.0
FUEL BLENDING	M061	520,689	50.4	7	25.0
LANDFILL	M132	18,494	1.8	7	25.0
SOLVENTS RECOVERY	M021-M029	197,042	19.1	7	25.0
OTHER DISPOSAL SPECIFIED IN COMMENTS	M137	5,880	.6	6	21.4
INCINERATION	M041-M049	2,603	.3	5	17.9
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	19,635	1.9	5	17.9
STABILIZATION	M111-M119	92,281	8.9	5	17.9
DEEPWELL / UNDERGROUND INJECTION	M134	0	.0	1	3.6
OTHER RECOVERY	M031-M039	0	.0	1	3.6
SLUDGE TREATMENT	M101-M109	17,025	1.6	1	3.6
TOTAL		1,032,468	100.0	28	

NOTE: FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.
COLUMNS MAY NOT SUM DUE TO ROUNDING.
COLUMNS MAY NOT SUM TO TOTAL BECAUSE FACILITIES MAY HAVE MULTIPLE HANDLING METHODS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

CALIFORNIA

1997 IMPORTS AND EXPORTS

21	QUANTITY OF RCRA HAZARDOUS WASTE IMPORTED:	270,167 TONS
22	QUANTITY OF RCRA HAZARDOUS WASTE EXPORTED:	207,119 TONS

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

COLORADO

1997 WASTE GENERATION

1 NUMBER OF RCRA LARGE QUANTITY GENERATORS (LQGS): 163

2 QUANTITY OF RCRA HAZARDOUS WASTE GENERATED: 82,021 TONS

3 FIFTY LARGEST RCRA HAZARDOUS WASTE GENERATORS IN THE STATE, 1997

RANK	EPA ID	SITE NAME	CITY	TOTAL GENERATED (TONS)
----	-----	-----	----	-----
1	CO8213820725	PUEBLO CHEMICAL DEPOT (PCD)	PUEBLO	20,153
2	COR000002071	RIVER ROAD DIKE GJ-43895-CC	GRAND JUNCTION	19,092
3	COD007057961	ROCKY MOUNTAIN STEEL MILLS	PUEBLO	16,678
4	COD076470525	SYNTEX CHEMICALS, INC.	BOULDER,	6,026
5	COD005548037	DIETERICH STANDARD	BOULDER	2,232
6	COD983794132	NEXSTAR PHARMACEUTICALS INC.	BOULDER	2,187
7	COD991300484	LAIDLAW ENV SERVICES(DEER TRAIL) INC.	DEER TRAIL	1,284
8	COR000002816	MERIX CORPORATION - LOVELAND OPERATION	LOVELAND	1,221
9	COR000004002	ASARCO INC YAK TUNNEL WTP	LEADVILLE	967
10	COD097147987	NTI-DIVISION OF COLO SPRINGS CIRCU	COLORADO SPRINGS	809
11	COD980718902	UNOCAL PARACHUTE CREEK SHALE OIL PR	PARACHUTE	780
12	COD054929989	COORS BREWING COMPANY	GOLDEN	598
13	COD000694869	BOULDER SCIENTIFIC COMPANY	MEAD	523
14	COD078341658	KODAK COLORADO DIVISION	WINDSOR	442
15	COD983777541	HAUSER, INC.	BOULDER	386
16	CO5210020769	ROCKY MOUNTAIN ARSENAL	COMMERCE CITY	381
17	COD078362837	CHEMICAL & METAL INDUSTRIES	DENVER	377
18	COD001704790	LOCKHEED MARTIN ASTRONAUTICS	LITTLETON	377
19	COD005127279	OEA, INC.	AURORA	361
20	COD081474710	ATMEL CORPORATION	COLORADO SPRINGS	302
21	COD058158775	SAE CIRCUITS COLORADO, INC.	BOULDER	284
22	COD069712792	COLORADO STATE UNIVERSITE (STORAGE)	FT COLLINS	259
23	COD007063290	NORTH AMERICAN GALVANIZING CO - DENVER	COMMERCE CITY	244
24	COD980667059	SYMBIOS, INC.	COLORADO SPRINGS	237
25	COR000006825	STEVE'S AMOCO GJ-05450-CS	GRAND JUNCTION	231
26	COD007077175	KOPPERS (BEAZER EAST INC)	DENVER	226
27	COR000002113	CAMEO POWER PLANT GJ-15609-CS	PALISADE	220
28	COD000109975	COLORADO REFINING COMPANY	COMMERCE CITY	214
29	COD983775123	LEXMARK INTERNATIONAL INC	LONGMONT	200
30	COD060627189	CONOCO INC.	COMMERCE CITY	197
31	COR000008870	COLORADO DEPARTMENT OF TRANSPORTATION	DENVER	185
32	COR000005173	NAPRO BIOTHERAPEUTICS INC	BOULDER	176
33	COD983778366	CLEAN HARBORS ENVIRONMENTAL SERVICES INC	STERLING	175
34	CO7890010526	ROCKY FLATS PLANT - US DOE	GOLDEN	166
35	COD007073901	LINCOLN PLATING COMPANY	DENVER	144
36	CO9570025644	BUCKLEY AIR NATIONAL GUARD BASE	BUCKLEY ANGB	122
37	COD983802877	COORS CERAMICS CO	GOLDEN	121
38	COD007060999	POWER ENGINEERING COMPANY	DENVER	113
39	COD007091879	CENTER LINE CIRCUITS INC	LONGMONT	107
40	CO0000059758	HAUSER, INC.	LONGMONT	106
41	COD000818179	COORS CERAMICS ELECTRONICS DIV	GOLDEN	102
42	COD981547797	MASTERCRAFT CABINETS, INC.	AURORA	99
43	COD007058167	SAMSONITE CORPORATION	DENVER	95
44	COD007092513	WESTERN FORGE	COLORADO SPRINGS	89
45	COD982581837	RICON RESINS INC	GRAND JUNCTION	86
46	COD070385620	AAA PLATING, INC.	DENVER	85
47	COD980635841	DRESSER OIL TOOLS (AXELSON)	COLORADO SPRINGS	82
48	COD039146931	NEOPLAN USA CORP	LAMAR	76
49	COD094154671	COZINCO, INC.	SALIDA	74
50	COD981549413	SAS CIRCUITS INC	LITTLETON	72

TOTAL

79,763

NOTE: STATE MAY HAVE FEWER THAN FIFTY GENERATORS.
GENERATORS WITH ZERO QUANTITY GENERATED ARE EXCLUDED.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

COLORADO

1997 WASTE GENERATION, CONTINUED

4 QUANTITIES OF WASTE GENERATED IN 1997 THAT WERE

- REPORTED WITH ONLY CHARACTERISTIC WASTE CODES
 - REPORTED WITH ONLY LISTED WASTE CODES
 - REPORTED WITH BOTH CHARACTERISTIC AND LISTED WASTE CODES

WASTE HAS ONLY CHARACTERISTIC CODES	TONS OF WASTE GENERATED	WASTE HAS ONLY LISTED CODES	TONS OF WASTE GENERATED	WASTE HAS BOTH CHARACTERISTIC AND LISTED CODES	TONS OF WASTE GENERATED
ONLY IGNITABLE	274	ONLY AN F CODE	5,875		
ONLY CORROSIVE	580	ONLY A K CODE	16,684		
ONLY REACTIVE	315	ONLY A P CODE	1		
ONLY D004-17	23,038	ONLY A U CODE	18		
ONLY D018-43	20,156				
HAS MORE THAN ONE CHARACTERISTIC CODE	3,121	HAS MORE THAN ONE LISTED CODE	30		
TOTAL	47,484	TOTAL	22,608	BOTH CHARACTERISTIC & LISTED	11,893

5 QUANTITIES OF WASTE GENERATED IN 1997 THAT WERE MULTIPLY CODED

WASTE HAS ONLY CHARACTERISTIC CODES BUT MORE THAN ONE APPLIES	TONS OF WASTE GENERATED	ONLY LISTED CODES BUT HAS MORE THAN ONE	TONS OF WASTE GENERATED	BOTH CHAR, AND LISTED CODES	TONS OF WASTE GENERATED
HAS IGNITABLE CODE	278			IGN. W/ AT LEAST 1 LSTD	10,827
HAS CORROSIVE CODE	2,674			CORR. W/ AT LEAST 1 LSTD	243
HAS REACTIVE CODE	18			REACT. W/ AT LEAST 1 LSTD	114
HAS D004-D017 CODE	2,927			D004-17 W/ AT LEAST 1 LSTD	1,314
HAS D018-D043 CODE	541			D018-43 W/ AT LEAST 1 LSTD	3,059
		HAS AN F CODE	5	F WASTE W/ AT LEAST 1 CHAR	11,826
		HAS A K CODE	0	K WASTE W/ AT LEAST 1 CHAR	161
		HAS A P CODE	25	P WASTE W/ AT LEAST 1 CHAR	36
		HAS A U CODE	30	U WASTE W/ AT LEAST 1 CHAR	2,740
TOTAL	3,121	TOTAL	30	TOTAL	11,893

NOTE: COLUMNS DO NOT SUM TO TOTAL BECAUSE A WASTE CODE MAY APPLY TO MORE THAN ONE WASTE.
 MIXTURES WITH IGNITABLE, CORROSIVE, REACTIVE, D004-17, AND D018-43 CHARACTERISTIC CODES ALSO MAY
 CONTAIN OTHER CHARACTERISTIC WASTE CODES.
 SIMILARLY, WASTES WITH F,K,P, AND U LISTED CODES MAY HAVE OTHER LISTED WASTE CODES.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

COLORADO

1997 WASTE MANAGEMENT

6 NUMBER OF RCRA TSD FACILITIES: 22

7 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED: 37,658 TONS

8 FIFTY LARGEST RCRA HAZARDOUS WASTE MANAGEMENT FACILITIES, 1997

RANK	EPA ID	SITE NAME	CITY	TONS OF WASTE MANAGED
----	-----	-----	----	-----
1	COD991300484	LAIDLAW ENV SERVICES(DEER TRAIL) INC.	DEER TRAIL	37,657
2	CO7890010526	ROCKY FLATS PLANT - US DOE	GOLDEN	1
TOTAL				37,658

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
 STATE MAY HAVE FEWER THAN FIFTY FACILITIES THAT MANAGED WASTE.
 FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

COLORADO

1997 WASTE MANAGEMENT, CONTINUED

9 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY MANAGEMENT METHOD, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
STABILIZATION	M111-M119	25,406	67.5	2	100.0
LANDFILL	M132	12,247	32.5	1	50.0
OTHER DISPOSAL SPECIFIED IN COMMENTS	M137	5	.0	1	50.0
TOTAL		37,658	100.0	2	

10 MANAGEMENT METHOD, BY QUANTITY OF RCRA HAZARDOUS WASTE MANAGED, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
STABILIZATION	M111-M119	25,406	67.5	2	100.0
LANDFILL	M132	12,247	32.5	1	50.0
OTHER DISPOSAL SPECIFIED IN COMMENTS	M137	5	.0	1	50.0
TOTAL		37,658	100.0	2	

11 MANAGEMENT METHOD AND QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY NUMBER OF FACILITIES, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
STABILIZATION	M111-M119	25,406	67.5	2	100.0
LANDFILL	M132	12,247	32.5	1	50.0
OTHER DISPOSAL SPECIFIED IN COMMENTS	M137	5	.0	1	50.0
TOTAL		37,658	100.0	2	

NOTE: FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.
COLUMNS MAY NOT SUM DUE TO ROUNDING.
COLUMNS MAY NOT SUM TO TOTAL BECAUSE FACILITIES MAY HAVE MULTIPLE HANDLING METHODS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

COLORADO

1997 WASTE SHIPMENTS

12 NUMBER OF RCRA HAZARDOUS WASTE SHIPPERS: 153

13 QUANTITY OF RCRA HAZARDOUS WASTE SHIPPED: 53,370 TONS

14 FIFTY LARGEST RCRA HAZARDOUS WASTE SHIPPERS, 1997

RANK	EPA ID	SITE NAME	CITY	QUANTITY SHIPPED (TONS)
----	-----	-----	----	-----
1	COD007057961	ROCKY MOUNTAIN STEEL MILLS	PUEBLO	16,681
2	COD980591184	CHEMICAL WASTE MANAGEMENT, INC	HENDERSON	9,023
3	COD076470525	SYNTEX CHEMICALS, INC.	BOULDER,	6,026
4	COD005548037	DIETERICH STANDARD	BOULDER	2,232
5	COD983794132	NEXSTAR PHARMACEUTICALS INC.	BOULDER	2,187
6	COD000716621	SAFETY-KLEEN CORP	ENGLEWOOD	1,572
7	COR000002816	MERIX CORPORATION - LOVELAND OPERATION	LOVELAND	1,221
8	COD991300484	LAIDLAW ENV SERVICES(DEER TRAIL) INC.	DEER TRAIL	1,062
9	COR000004002	ASARCO INC YAK TUNNEL WTP	LEADVILLE	967
10	COD980718902	UNOCAL PARACHUTE CREEK SHALE OIL PR	PARACHUTE	780
11	COD097147987	NTI-DIVISION OF COLO SPRINGS CIRCU	COLORADO SPRINGS	759
12	COD054929989	COORS BREWING COMPANY	GOLDEN	597
13	COD000694869	BOULDER SCIENTIFIC COMPANY	MEAD	523
14	COD000716639	SAFETY-KLEEN CORP	PUEBLO	507
15	COD078341658	KODAK COLORADO DIVISION	WINDSOR	442
16	COD983777541	HAUSER, INC.	BOULDER	386
17	CO5210020769	ROCKY MOUNTAIN ARSENAL	COMMERCE CITY	381
18	COD078362837	CHEMICAL & METAL INDUSTRIES	DENVER	378
19	COD005127279	OEI, INC.	AURORA	361
20	COD001704790	LOCKHEED MARTIN ASTRONAUTICS	LITTLETON	357
21	COD081474710	ATMEL CORPORATION	COLORADO SPRINGS	302
22	COD058158775	SAE CIRCUITS COLORADO, INC.	BOULDER	284
23	COD069712792	COLORADO STATE UNIVERSITY (STORAGE)	FT COLLINS	256
24	COT090010851	SAFETY-KLEEN CORP	GRAND JUNCTION	253
25	COD007063290	NORTH AMERICAN GALVANIZING CO - DENVER	COMMERCE CITY	244
26	COD980667059	SYMBIOS, INC.	COLORADO SPRINGS	237
27	COD007077175	KOPPERS (BEAZER EAST INC)	DENVER	226
28	COD000109975	COLORADO REFINING COMPANY	COMMERCE CITY	221
29	COD060627189	CONOCO INC.	COMMERCE CITY	197
30	COD983775123	LEXMARK INTERNATIONAL INC	LONGMONT	191
31	COR000008870	COLORADO DEPARTMENT OF TRANSPORTATION	DENVER	185
32	COR000005173	NAPRO BIOTHERAPEUTICS INC	BOULDER	176
33	COD983778366	CLEAN HARBORS ENVIRONMENTAL SERVICES INC	STERLING	175
34	CO8213820725	PUEBLO CHEMICAL DEPOT (PCD)	PUEBLO	153
35	COD981549447	COLLINS COLLISON PRODUCTS	LOVELAND	145
36	COD007073901	LINCOLN PLATING COMPANY	DENVER	144
37	COD983802877	COORS CERAMICS CO	GOLDEN	125
38	CO9570025644	BUCKLEY AIR NATIONAL GUARD BASE	BUCKLEY ANGB	122
39	COD007060999	POWER ENGINEERING COMPANY	DENVER	113
40	COD007091879	CENTER LINE CIRCUITS INC	LONGMONT	107
41	CO0000059758	HAUSER, INC.	LONGMONT	105
42	COD000818179	COORS CERAMICS ELECTRONICS DIV	GOLDEN	102
43	COD981547797	MASTERCRAFT CABINETS, INC.	AURORA	99
44	COD007058167	SAMSONITE CORPORATION	DENVER	95
45	COD007092513	WESTERN FORGE	COLORADO SPRINGS	89
46	COD982581837	RICON RESINS INC	GRAND JUNCTION	86
47	COD070385620	AAA PLATING, INC.	DENVER	85
48	COD980635841	DRESSER OIL TOOLS (AXELSON)	COLORADO SPRINGS	82
49	COD007057995	SUNDSTRAND AEROSPACE	DENVER	80
50	COD094154671	COZINCO, INC.	SALIDA	74

TOTAL

51,198

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY SHIPPERS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

COLORADO

1997 WASTE RECEIPTS

15 NUMBER OF RCRA HAZARDOUS WASTE RECEIVERS: 8

16 QUANTITY OF RCRA HAZARDOUS WASTE RECEIVED: 39,790 TONS

17 FIFTY LARGEST RCRA HAZARDOUS WASTE RECEIVERS, 1997

RANK	EPA ID	SITE NAME	CITY	QUANTITY RECEIVED (TONS)
----	-----	-----	----	-----
1	COD991300484	LAIDLAW ENV SERVICES(DEER TRAIL) INC.	DEER TRAIL	37,626
2	COD000716621	SAFETY-KLEEN CORP	ENGLEWOOD	1,346
3	COD980591184	CHEMICAL WASTE MANAGEMENT, INC	HENDERSON	320
4	COD000716639	SAFETY-KLEEN CORP	PUEBLO	279
5	COT090010851	SAFETY-KLEEN CORP	GRAND JUNCTION	207
6	COD007431505	UNIVERSITY OF COLORADO, BOULDER	BOULDER	10
7	COD069712792	COLORADO STATE UNIVERSITE (STORAGE)	FT COLLINS	2
8	COT090011529	COLORADO STATE UNIVERSITY (DISPOSAL)	FT COLLINX	0
TOTAL				39,790

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY FACILITIES THAT RECEIVED WASTE.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

COLORADO

1997 WASTE RECEIPTS, CONTINUED

18 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY MANAGEMENT METHOD,
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
STABILIZATION	M111-M119	25,374	67.4	1	100.0
LANDFILL	M132	12,247	32.5	1	100.0
OTHER DISPOSAL SPECIFIED IN COMMENTS	M137	5	.0	1	100.0
TOTAL		37,626	100.0	1	

19 MANAGEMENT METHOD, BY QUANTITY OF RCRA HAZARDOUS WASTE MANAGED
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
STABILIZATION	M111-M119	25,374	67.4	1	100.0
LANDFILL	M132	12,247	32.5	1	100.0
OTHER DISPOSAL SPECIFIED IN COMMENTS	M137	5	.0	1	100.0
TOTAL		37,626	100.0	1	

20 MANAGEMENT METHOD AND QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY NUMBER OF FACILITIES,
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
LANDFILL	M132	12,247	32.5	1	100.0
OTHER DISPOSAL SPECIFIED IN COMMENTS	M137	5	.0	1	100.0
STABILIZATION	M111-M119	25,374	67.4	1	100.0
TOTAL		37,626	100.0	1	

NOTE: FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.
COLUMNS MAY NOT SUM DUE TO ROUNDING.
COLUMNS MAY NOT SUM TO TOTAL BECAUSE FACILITIES MAY HAVE MULTIPLE HANDLING METHODS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

COLORADO

1997 IMPORTS AND EXPORTS

21	QUANTITY OF RCRA HAZARDOUS WASTE IMPORTED:	35,705 TONS
22	QUANTITY OF RCRA HAZARDOUS WASTE EXPORTED:	41,257 TONS

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

CONNECTICUT

1997 WASTE GENERATION

- 1 NUMBER OF RCRA LARGE QUANTITY GENERATORS (LQGS): 404
- 2 QUANTITY OF RCRA HAZARDOUS WASTE GENERATED: 60,219 TONS
- 3 FIFTY LARGEST RCRA HAZARDOUS WASTE GENERATORS IN THE STATE, 1997

RANK	EPA ID	SITE NAME	CITY	TOTAL GENERATED (TONS)
1	CTD021816889	UNITED OIL RECOVERY, INC.	MERIDEN	10,429
2	CTD001147495	PFIZER INC	GROTON	7,467
3	CTD002593887	BRIDGEPORT UNITED RECYCLING	BRIDGEPORT	6,022
4	CTD001159730	DOW CHEMICAL CO. ALLYNS POINT PLT	GALES FERRY	5,722
5	CTD001453232	FRAMATOME CONNECTORS U S A INC	MILFORD	3,339
6	CTD018631952	STANLEY BOSTITCH	CLINTON	3,335
7	CTR000004457	EXETER ENERGY LP	STERLING	1,501
8	CTD001173467	CYTEC INDUSTRIES	WALLINGFORD	1,104
9	CTD134204916	COYNE TEXTILE SERVICES	WATERBURY	901
10	CTD046233003	CONNECTICUT GALVANIZING CORP.	GLASTONBURY	791
11	CTD001449784	SIKORSKY AIRCRAFT CORP.	STRATFORD	742
12	CTD001449826	UNIROYAL CHEMICAL	NAUGATUCK	580
13	CTD010170363	STANLEY HARDWARE	NEW BRITAIN	579
14	CTD990672081	PRATT & WHITNEY	EAST HARTFORD	538
15	CTD001183300	BASSETT W E CO INC THE	DERBY	465
16	CTD001980911	FM PRECISION GOLF MFG CORPORATION	TORRINGTON	422
17	CTD001181502	STRATFORD ARMY ENGINE PLANT	STRATFORD	384
18	CTD001147842	ELECTRIC BOAT CORPORATION	GROTON	338
19	CTD001148717	TORRINGTON CO THE STANDARD PLT	TORRINGTON	332
20	CTD000604488	CLEAN HARBORS OF CONNECTICUT, INC.	BRISTOL	309
21	CTD000652206	TYCO PRINTED CIRCUIT GRP INC., STAFFORD	STAFFORDVILLE	300
22	CTD002496909	SUMMIT CORP OF AMERICA	THOMASTON	299
23	CTD001162809	MORTON INTERNATIONAL	STAMFORD	294
24	CTD001166263	MIRROR POLISHING & PLATING INC.	WATERBURY	286
25	CTD001145341	HAMILTON STANDARD DIVISION OF U T C	WINDSOR LOCKS	282
26	CTD058507740	CHANDLER EVANS CONTROL SYSTEMS DIV.	WEST HARTFORD	279
27	CTD052541695	CORBIN RUSSWIN, INC.	BERLIN	278
28	CTD983884164	ENTHONE-OMI INC.	WEST HAVEN	264
29	CTD042279513	KING INDSUTRIES, INC.	NORWALK	255
30	CTD075133835	HAMPFORD RESEARCH, INC.	STRATFORD	253
31	CTD004531919	LILLY INDUSTRIES, INC.	ROCKY HILL	245
32	CTD001144062	BIRKEN MFG CO	BLOOMFIELD	238
33	CTD043036995	PRINTED CIRCUIT GROUP INC.,STAFFORD DIV.	STAFFORD	236
34	CTD001164599	MCDERMID, INC.	WATERBURY	225
35	CTD001186212	VITRAMON, INCORPORATED	MONROE	221
36	CTD024539967	EASCO ALUMINUM - BERLIN FACILITY	BERLIN	214
37	CTD001449511	PRATT & WHITNEY NORTH HAVEN	NORTH HAVEN	203
38	CTD982547689	SHERRI CUP INC.	BERLIN	187
39	CTD001450154	WHYCO CHROMIUM CO INC	THOMASTON	166
40	CTD980669352	SIKORSKY AIRCRAFT CORP	SHELTON	165
41	CTD001171719	WATERBURY PLATING CO	WATERBURY	163
42	CT0690307871	U.S. COAST GUARD ACADEMY	NEW LONDON	162
43	CTD001152545	FORESTVILLE IND PLATING CO INC	SOUTHINGTON	160
44	CTD001147974	MILLER CO THE	MERIDEN	160
45	CTD981889538	ARMOLOY OF CT INC	BRISTOL	152
46	CTD060018777	CONNECTICUT ANODIZING & FINISHING	BRIDGEPORT	150
47	CTD001170547	THE TORRINGTON CO.	WATERBURY	149
48	CTD000844399	PRATT & WHITNEY	EAST HARTFORD	148
49	CTD001141233	ANCHOR GLASS CONTAINER CORP	HARTFORD	135
50	CTD065521304	TYCO PRINTED CIRCUIT GROUP INC.	MANCHESTER	135

TOTAL

51,705

NOTE: STATE MAY HAVE FEWER THAN FIFTY GENERATORS.
 GENERATORS WITH ZERO QUANTITY GENERATED ARE EXCLUDED.
 CBI DATA HAS BEEN EXCLUDED FROM THE STATE DETAIL ANALYSIS VOLUME.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

CONNECTICUT

1997 WASTE GENERATION, CONTINUED

4 QUANTITIES OF WASTE GENERATED IN 1997 THAT WERE

- REPORTED WITH ONLY CHARACTERISTIC WASTE CODES
- REPORTED WITH ONLY LISTED WASTE CODES
- REPORTED WITH BOTH CHARACTERISTIC AND LISTED WASTE CODES

WASTE HAS ONLY CHARACTERISTIC CODES	TONS OF WASTE GENERATED	WASTE HAS ONLY LISTED CODES	TONS OF WASTE GENERATED	WASTE HAS BOTH CHARACTERISTIC AND LISTED CODES	TONS OF WASTE GENERATED
ONLY IGNITABLE	2,468	ONLY AN F CODE	6,764		
ONLY CORROSIVE	723	ONLY A K CODE	21		
ONLY REACTIVE	156	ONLY A P CODE	43		
ONLY D004-17	4,591	ONLY A U CODE	136		
ONLY D018-43	4,061				
HAS MORE THAN ONE CHARACTERISTIC CODE	5,948	HAS MORE THAN ONE LISTED CODE	2		
TOTAL	17,946	TOTAL	6,966	BOTH CHARACTERISTIC & LISTED	35,281

5 QUANTITIES OF WASTE GENERATED IN 1997 THAT WERE MULTIPLY CODED

WASTE HAS ONLY CHARACTERISTIC CODES BUT MORE THAN ONE APPLIES	TONS OF WASTE GENERATED	ONLY LISTED CODES BUT HAS MORE THAN ONE	TONS OF WASTE GENERATED	BOTH CHAR, AND LISTED CODES	TONS OF WASTE GENERATED
HAS IGNITABLE CODE	3,723			IGN. W/ AT LEAST 1 LSTD	25,688
HAS CORROSIVE CODE	2,350			CORR. W/ AT LEAST 1 LSTD	4,109
HAS REACTIVE CODE	149			REACT. W/ AT LEAST 1 LSTD	362
HAS D004-D017 CODE	3,859			D004-17 W/ AT LEAST 1 LSTD	26,257
HAS D018-D043 CODE	2,510			D018-43 W/ AT LEAST 1 LSTD	19,399
		HAS AN F CODE	2	F WASTE W/ AT LEAST 1 CHAR	31,799
		HAS A K CODE	0	K WASTE W/ AT LEAST 1 CHAR	3,356
		HAS A P CODE	0	P WASTE W/ AT LEAST 1 CHAR	295
		HAS A U CODE	2	U WASTE W/ AT LEAST 1 CHAR	395
TOTAL	5,948	TOTAL	2	TOTAL	35,281

NOTE: COLUMNS DO NOT SUM TO TOTAL BECAUSE A WASTE CODE MAY APPLY TO MORE THAN ONE WASTE.
 MIXTURES WITH IGNITABLE, CORROSIVE, REACTIVE, D004-17, AND D018-43 CHARACTERISTIC CODES ALSO MAY
 CONTAIN OTHER CHARACTERISTIC WASTE CODES.
 SIMILARLY, WASTES WITH F,K,P, AND U LISTED CODES MAY HAVE OTHER LISTED WASTE CODES.
 CBI DATA HAS BEEN EXCLUDED FROM THE STATE DETAIL ANALYSIS VOLUME.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

CONNECTICUT

1997 WASTE MANAGEMENT

6 NUMBER OF RCRA TSD FACILITIES: 27

7 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED: 26,680 TONS

8 FIFTY LARGEST RCRA HAZARDOUS WASTE MANAGEMENT FACILITIES, 1997

RANK	EPA ID	SITE NAME	CITY	TONS OF WASTE MANAGED
----	-----	-----	----	-----
1	CTD021816889	UNITED OIL RECOVERY, INC.	MERIDEN	18,068
2	CTD002593887	BRIDGEPORT UNITED RECYCLING	BRIDGEPORT	6,693
3	CTD000604488	CLEAN HARBORS OF CONNECTICUT, INC.	BRISTOL	1,214
4	CTD001159730	DOW CHEMICAL CO. ALLYNS POINT PLT	GALES FERRY	698
5	CTD001169010	ENTHONE-OMI INC.	WEST HAVEN	3
6	CTD001166586	BIC CORP	MILFORD	2
7	CTD001156009	SAFETY-KLEEN CORP.	PLAINFIELD	1
7	CTD980667927	SAFETY-KLEEN CORP	BRANFORD	1
TOTAL				26,680

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY FACILITIES THAT MANAGED WASTE.
FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.
CBI DATA HAS BEEN EXCLUDED FROM THE STATE DETAIL ANALYSIS VOLUME.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

CONNECTICUT

1997 WASTE MANAGEMENT, CONTINUED

9 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY MANAGEMENT METHOD, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
-----	-----	-----	-----	-----	-----
OTHER RECOVERY	M031-M039	4	.0	2	25.0
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	700	2.6	2	25.0
FUEL BLENDING	M061	24,765	92.8	5	62.5
SLUDGE TREATMENT	M101-M109	0	.0	1	12.5
STABILIZATION	M111-M119	1,211	4.5	1	12.5
TOTAL		26,680	100.0	8	

10 MANAGEMENT METHOD, BY QUANTITY OF RCRA HAZARDOUS WASTE MANAGED, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
-----	-----	-----	-----	-----	-----
FUEL BLENDING	M061	24,765	92.8	5	62.5
STABILIZATION	M111-M119	1,211	4.5	1	12.5
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	700	2.6	2	25.0
OTHER RECOVERY	M031-M039	4	.0	2	25.0
SLUDGE TREATMENT	M101-M109	0	.0	1	12.5
TOTAL		26,680	100.0	8	

11 MANAGEMENT METHOD AND QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY NUMBER OF FACILITIES, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
-----	-----	-----	-----	-----	-----
FUEL BLENDING	M061	24,765	92.8	5	62.5
OTHER RECOVERY	M031-M039	4	.0	2	25.0
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	700	2.6	2	25.0
SLUDGE TREATMENT	M101-M109	0	.0	1	12.5
STABILIZATION	M111-M119	1,211	4.5	1	12.5
TOTAL		26,680	100.0	8	

NOTE: FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.
COLUMNS MAY NOT SUM DUE TO ROUNDING.
COLUMNS MAY NOT SUM TO TOTAL BECAUSE FACILITIES MAY HAVE MULTIPLE HANDLING METHODS.
CBI DATA HAS BEEN EXCLUDED FROM THE STATE DETAIL ANALYSIS VOLUME.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

CONNECTICUT

1997 WASTE SHIPMENTS

12 NUMBER OF RCRA HAZARDOUS WASTE SHIPPERS: 384

13 QUANTITY OF RCRA HAZARDOUS WASTE SHIPPED: 73,515 TONS

14 FIFTY LARGEST RCRA HAZARDOUS WASTE SHIPPERS, 1997

RANK	EPA ID	SITE NAME	CITY	QUANTITY SHIPPED (TONS)
1	CTD021816889	UNITED OIL RECOVERY, INC.	MERIDEN	10,508
2	CTD001147495	PFIZER INC	GROTON	7,718
3	CTD002593887	BRIDGEPORT UNITED RECYCLING	BRIDGEPORT	6,022
4	CTD001159730	DOW CHEMICAL CO. ALLYNS POINT PLT	GALES FERRY	5,024
5	CTD000604488	CLEAN HARBORS OF CONNECTICUT, INC.	BRISTOL	4,768
6	CTD000845982	SAFETY-KLEEN CORP	W. HARTFORD	3,886
7	CTD001453232	FRAMATOME CONNECTORS U S A INC	MILFORD	3,339
8	CTD018631952	STANLEY BOSTITCH	CLINTON	3,335
9	CTD001156009	SAFETY-KLEEN CORP.	PLAINFIELD	3,129
10	CTR000004457	EXETER ENERGY LP	STERLING	3,002
11	CTD001173467	CYTEC INDUSTRIES	WALLINGFORD	1,079
12	CTD134204916	COYNE TEXTILE SERVICES	WATERBURY	901
13	CTD046233003	CONNECTICUT GALVANIZING CORP.	GLASTONBURY	791
14	CTD001449784	SIKORSKY AIRCRAFT CORP.	STRATFORD	734
15	CTD001449826	UNIROYAL CHEMICAL	NAUGATUCK	599
16	CTD010170363	STANLEY HARDWARE	NEW BRITAIN	579
17	CTD990672081	PRATT & WHITNEY	EAST HARTFORD	513
18	CTD001183300	BASSETT W E CO INC THE	DERBY	465
19	CTD001980911	FM PRECISION GOLF MFG CORPORATION	TORRINGTON	422
20	CTD001181502	STRATFORD ARMY ENGINE PLANT	STRATFORD	384
21	CTD983896341	LOGANO TRANSPORTATION CO INC	PORTLAND	377
22	CTD001147842	ELECTRIC BOAT CORPORATION	GROTON	338
23	CTD001148717	TORRINGTON CO THE STANDARD PLT	TORRINGTON	332
24	CTD000845131	PRATT & WHITNEY WILLGOOS LAB	EAST HARTFORD	316
25	CTD000652206	TYCO PRINTED CIRCUIT GRP INC., STAFFORD	STAFFORDVILLE	300
26	CTD002496909	SUMMIT CORP OF AMERICA	THOMASTON	299
27	CTD001145341	HAMILTON STANDARD DIVISION OF U T C	WINDSOR LOCKS	293
28	CTD001166263	MIRROR POLISHING & PLATING INC.	WATERBURY	286
29	CTD001162809	MORTON INTERNATIONAL	STAMFORD	281
30	CTD058507740	CHANDLER EVANS CONTROL SYSTEMS DIV.	WEST HARTFORD	279
31	CTD052541695	CORBIN RUSSWIN, INC.	BERLIN	278
32	CTD980667927	SAFETY-KLEEN CORP	BRANFORD	273
33	CTD983884164	ENTHONE-OMI INC.	WEST HAVEN	264
34	CTD042279513	KING INDSUTRIES, INC,	NORWALK	254
35	CTD075133835	HAMPFORD RESEARCH, INC.	STRATFORD	253
36	CTD004531919	LILLY INDUSTRIES, INC.	ROCKY HILL	245
37	CTD001144062	BIRKEN MFG CO	BLOOMFIELD	238
38	CTD043036995	PRINTED CIRCUIT GROUP INC.,STAFFORD DIV.	STAFFORD	236
39	CTD001164599	MCDERMID, INC.	WATERBURY	225
40	CTD024539967	EASCO ALUMINUM - BERLIN FACILITY	BERLIN	214
41	CTD001186212	VITRAMON, INCORPORATED	MONROE	203
42	CTD001449511	PRATT & WHITNEY NORTH HAVEN	NORTH HAVEN	203
43	CTD982547689	SHERRI CUP INC.	BERLIN	187
44	CTD001450154	WHYCO CHROMIUM CO INC	THOMASTON	166
45	CTD980669352	SIKORSKY AIRCRAFT CORP	SHELTON	165
46	CTD001171719	WATERBURY PLATING CO	WATERBURY	163
47	CTD001152545	FORESTVILLE IND PLATING CO INC	SOUTHINGTON	163
48	CT0690307871	U.S. COAST GUARD ACADEMY	NEW LONDON	162
49	CTD001163732	BARDEN CORP THE	DANBURY	157
50	CTD001147974	MILLER CO THE	MERIDEN	156

TOTAL

64,505

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY SHIPPERS.
CBI DATA HAS BEEN EXCLUDED FROM THE STATE DETAIL ANALYSIS VOLUME.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

CONNECTICUT

1997 WASTE RECEIPTS

15 NUMBER OF RCRA HAZARDOUS WASTE RECEIVERS: 10

16 QUANTITY OF RCRA HAZARDOUS WASTE RECEIVED: 14,890 TONS

17 FIFTY LARGEST RCRA HAZARDOUS WASTE RECEIVERS, 1997

RANK	EPA ID	SITE NAME	CITY	QUANTITY RECEIVED (TONS)
----	-----	-----	----	-----
1	CTD021816889	UNITED OIL RECOVERY, INC.	MERIDEN	7,639
2	CTD001156009	SAFETY-KLEEN CORP.	PLAINFIELD	2,735
3	CTD000604488	CLEAN HARBORS OF CONNECTICUT, INC.	BRISTOL	1,934
4	CTD980667927	SAFETY-KLEEN CORP	BRANFORD	872
5	CTD002593887	BRIDGEPORT UNITED RECYCLING	BRIDGEPORT	671
6	CTD000845982	SAFETY-KLEEN CORP	W. HARTFORD	588
7	CTD983896341	LOGANO TRANSPORTATION CO INC	PORTLAND	390
8	CTD001145341	HAMILTON STANDARD DIVISION OF U T C	WINDSOR LOCKS	44
9	CTD001164599	MCDERMID, INC.	WATERBURY	13
10	CTD001169010	ENTHONE-OMI INC.	WEST HAVEN	3

TOTAL

14,890

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY FACILITIES THAT RECEIVED WASTE.
CBI DATA HAS BEEN EXCLUDED FROM THE STATE DETAIL ANALYSIS VOLUME.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

CONNECTICUT

1997 WASTE RECEIPTS, CONTINUED

18 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY MANAGEMENT METHOD,
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
OTHER RECOVERY	M031-M039	4	.0	2	33.3
FUEL BLENDING	M061	8,314	87.3	5	83.3
SLUDGE TREATMENT	M101-M109	0	.0	1	16.7
STABILIZATION	M111-M119	1,211	12.7	1	16.7
TOTAL		9,529	100.0	6	

19 MANAGEMENT METHOD, BY QUANTITY OF RCRA HAZARDOUS WASTE MANAGED
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
FUEL BLENDING	M061	8,314	87.3	5	83.3
STABILIZATION	M111-M119	1,211	12.7	1	16.7
OTHER RECOVERY	M031-M039	4	.0	2	33.3
SLUDGE TREATMENT	M101-M109	0	.0	1	16.7
TOTAL		9,529	100.0	6	

20 MANAGEMENT METHOD AND QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY NUMBER OF FACILITIES,
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
FUEL BLENDING	M061	8,314	87.3	5	83.3
OTHER RECOVERY	M031-M039	4	.0	2	33.3
SLUDGE TREATMENT	M101-M109	0	.0	1	16.7
STABILIZATION	M111-M119	1,211	12.7	1	16.7
TOTAL		9,529	100.0	6	

NOTE: FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.
COLUMNS MAY NOT SUM DUE TO ROUNDING.
COLUMNS MAY NOT SUM TO TOTAL BECAUSE FACILITIES MAY HAVE MULTIPLE HANDLING METHODS.
CBI DATA HAS BEEN EXCLUDED FROM THE STATE DETAIL ANALYSIS VOLUME.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

CONNECTICUT

1997 IMPORTS AND EXPORTS

21 QUANTITY OF RCRA HAZARDOUS WASTE IMPORTED: 9,081 TONS

22 QUANTITY OF RCRA HAZARDOUS WASTE EXPORTED: 63,991 TONS

NOTE: CBI DATA HAS BEEN EXCLUDED FROM THE STATE DETAIL ANALYSIS VOLUME.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

DELAWARE

1997 WASTE GENERATION

1 NUMBER OF RCRA LARGE QUANTITY GENERATORS (LQGS): 66

2 QUANTITY OF RCRA HAZARDOUS WASTE GENERATED: 19,353 TONS

3 FIFTY LARGEST RCRA HAZARDOUS WASTE GENERATORS IN THE STATE, 1997

RANK	EPA ID	SITE NAME	CITY	TOTAL GENERATED (TONS)
1	DED980830400	CIBA-GEIGY CORP, PIGMENTS DEPT	NEWPORT	7,110
2	DED002276764	CITISTEEL USA INC	CLAYMONT	4,865
3	DED003913266	OCCIDENTAL CHEMICAL CORPORATION	DELAWARE CITY	1,241
4	DED003930807	DUPONT - EXP. STATION	WILMINGTON	1,058
5	DED002369205	GM ASSEMBLY DIVISION	WILMINGTON	940
6	DED002329738	STAR ENTERPRISE	DELAWARE CITY	839
7	DED085693646	NORAMCO OF DELAWARE	WILMINGTON	507
8	DED041212473	STANDARD CHLORINE OF DELAWARE	DELAWARE CITY	505
9	DED069876795	PRINTPACK	NEW CASTLE	436
10	DED002357408	CHRYSLER CORPORATION	NEWARK	232
11	DED984076265	ZENECA - CHEM. ENG. LAB.	NEW CASTLE	149
12	DED001315647	HERCULES RESEARCH CENTER	WILMINGTON	144
13	DED064370992	DUPONT - STINE HASKELL	NEWARK	107
14	DED984071282	MEDAL	NEWPORT	107
15	DED984071068	DUPONT - MERCK EXP. STA.	WILMINGTON	96
16	DED000820704	UNIVERSITY OF DELAWARE	NEWARK	91
17	DED984066118	CHROME DEPOSIT CORPORATION	NEWARK	74
18	DED002353092	JOHNSON CONTROLS GLOBE BATTERY	MIDDLETOWN	73
19	DED054719851	NANTICOKE HOMES INC	GREENWOOD	66
20	DED053304770	MACDERMID IMAGING TECHNOLOGY, INC.	MIDDLETOWN	65
21	DE8570024010	DOVER AIR FORCE BASE	DOVER	39
22	DED982676595	H.P. LITTLE FALLS ANALYTICAL DIVISION	NEWPORT	37
23	DED002342020	ICI AMERICAS - ATLAS POINT SITE	NEW CASTLE	36
24	DED000820399	ZENECA INC.	WILMINGTON	35
25	DED002337806	NVF COMPANY, YORKLYN	YORKLYN	32
26	DED984075929	RITE OFF INC	SEAFORD	32
27	DED021957444	MFG JUSTIN TANKS	GEORGETOWN	28
28	DED083235549	L.D. CAULK CO.	MILFORD	28
29	DED981743065	L.D. CAULK CO W. MILFORD	MILFORD	27
30	DED002331536	W. L. GORE & ASSOCIATES	NEWARK	26
31	DED981042724	AMTRAK BEAR COMPLEX	BEAR	26
32	DED980537781	CAMDEN METALS CORP	CAMDEN	22
33	DED011028438	ATLANTIC AVIATION CORP	NEW CASTLE	21
34	DEP0000001403	GEORGETOWN CLEANERS	GEORGETOWN	21
35	DED002348845	DUPONT - SEAFORD PLANT	SEAFORD	20
36	DED003930799	DUPONT - CHESTNUT RUN	WILMINGTON	19
37	DED060058062	AMTRAK WILMINGTON MAINT FACILITY	WILMINGTON	17
38	DER0000001156	DADE INTERNATIONAL	GLASGOW	17
39	DED000621417	DP&L - EDGEMOOR	WILMINGTON	15
40	DED981113681	UNIROYAL POLYCAST TECHNOLOGY DIVISION	NEWPORT	14
41	DED110010378	DUPONT - WILM OFFICE BLDG	WILMINGTON	14
42	DEP0000001382	CSX RAILROAD	WILMINGTON	13
43	DED000800284	DUPONT - EDGEMOOR	EDGEMOOR	11
44	DED073760167	FMC CORPORATION	NEWARK	10
45	DED069026193	PROCTOR AND GAMBLE	DOVER	9
46	DED154576698	GENERAL CHEMICAL	CLAYMONT	8
47	DED984071076	DUPONT - MERCK S/H	NEWARK	8
48	DED980551261	ARLON INCORPORATED	BEAR	8
49	DED980555122	DUPONT - HOLLY RUN	NEWPORT	8
50	DER0000001313	ICI AMERICAS	NEW CASTLE	8

TOTAL

19,312

NOTE: STATE MAY HAVE FEWER THAN FIFTY GENERATORS.
GENERATORS WITH ZERO QUANTITY GENERATED ARE EXCLUDED.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

DELAWARE

1997 WASTE GENERATION, CONTINUED

4 QUANTITIES OF WASTE GENERATED IN 1997 THAT WERE

- REPORTED WITH ONLY CHARACTERISTIC WASTE CODES
 - REPORTED WITH ONLY LISTED WASTE CODES
 - REPORTED WITH BOTH CHARACTERISTIC AND LISTED WASTE CODES

WASTE HAS ONLY CHARACTERISTIC CODES	TONS OF WASTE GENERATED	WASTE HAS ONLY LISTED CODES	TONS OF WASTE GENERATED	WASTE HAS BOTH CHARACTERISTIC AND LISTED CODES	TONS OF WASTE GENERATED
ONLY IGNITABLE	4,371	ONLY AN F CODE	1,643		
ONLY CORROSIVE	106	ONLY A K CODE	1,441		
ONLY REACTIVE	1	ONLY A P CODE	3		
ONLY D004-17	3,844	ONLY A U CODE	59		
ONLY D018-43	67				
HAS MORE THAN ONE CHARACTERISTIC CODE	668	HAS MORE THAN ONE LISTED CODE	22		
TOTAL	9,058	TOTAL	3,168	BOTH CHARACTERISTIC & LISTED	7,108

5 QUANTITIES OF WASTE GENERATED IN 1997 THAT WERE MULTIPLY CODED

WASTE HAS ONLY CHARACTERISTIC CODES BUT MORE THAN ONE APPLIES	TONS OF WASTE GENERATED	ONLY LISTED CODES BUT HAS MORE THAN ONE	TONS OF WASTE GENERATED	BOTH CHAR, AND LISTED CODES	TONS OF WASTE GENERATED
HAS IGNITABLE CODE	429			IGN. W/ AT LEAST 1 LSTD	1,576
HAS CORROSIVE CODE	215			CORR. W/ AT LEAST 1 LSTD	46
HAS REACTIVE CODE	26			REACT. W/ AT LEAST 1 LSTD	14
HAS D004-D017 CODE	291			D004-17 W/ AT LEAST 1 LSTD	4,915
HAS D018-D043 CODE	494			D018-43 W/ AT LEAST 1 LSTD	859
		HAS AN F CODE	22	F WASTE W/ AT LEAST 1 CHAR	2,089
		HAS A K CODE	0	K WASTE W/ AT LEAST 1 CHAR	4,864
		HAS A P CODE	0	P WASTE W/ AT LEAST 1 CHAR	2
		HAS A U CODE	22	U WASTE W/ AT LEAST 1 CHAR	171
TOTAL	668	TOTAL	22	TOTAL	7,108

NOTE: COLUMNS DO NOT SUM TO TOTAL BECAUSE A WASTE CODE MAY APPLY TO MORE THAN ONE WASTE.
 MIXTURES WITH IGNITABLE, CORROSIVE, REACTIVE, D004-17, AND D018-43 CHARACTERISTIC CODES ALSO MAY
 CONTAIN OTHER CHARACTERISTIC WASTE CODES.
 SIMILARLY, WASTES WITH F,K,P, AND U LISTED CODES MAY HAVE OTHER LISTED WASTE CODES.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

DELAWARE

1997 WASTE MANAGEMENT

6 NUMBER OF RCRA TSD FACILITIES: 4

7 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED: 2,131 TONS

8 FIFTY LARGEST RCRA HAZARDOUS WASTE MANAGEMENT FACILITIES, 1997

RANK	EPA ID	SITE NAME	CITY	TONS OF WASTE MANAGED
----	-----	-----	----	-----
1	DED003930807	DUPONT - EXP. STATION	WILMINGTON	2,131
2	DE8570024010	DOVER AIR FORCE BASE	DOVER	0
TOTAL				2,131

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
 STATE MAY HAVE FEWER THAN FIFTY FACILITIES THAT MANAGED WASTE.
 FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

DELAWARE

1997 WASTE MANAGEMENT, CONTINUED

9 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY MANAGEMENT METHOD, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
SOLVENTS RECOVERY	M021-M029	0	.0	1	50.0
INCINERATION	M041-M049	2,131	100.0	1	50.0
TOTAL		2,131	100.0	2	

10 MANAGEMENT METHOD, BY QUANTITY OF RCRA HAZARDOUS WASTE MANAGED, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
INCINERATION	M041-M049	2,131	100.0	1	50.0
SOLVENTS RECOVERY	M021-M029	0	.0	1	50.0
TOTAL		2,131	100.0	2	

11 MANAGEMENT METHOD AND QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY NUMBER OF FACILITIES, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
SOLVENTS RECOVERY	M021-M029	0	.0	1	50.0
INCINERATION	M041-M049	2,131	100.0	1	50.0
TOTAL		2,131	100.0	2	

NOTE: FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.
 COLUMNS MAY NOT SUM DUE TO ROUNDING.
 COLUMNS MAY NOT SUM TO TOTAL BECAUSE FACILITIES MAY HAVE MULTIPLE HANDLING METHODS.

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DELAWARE

1997 WASTE SHIPMENTS

12 NUMBER OF RCRA HAZARDOUS WASTE SHIPPERS: 63

13 QUANTITY OF RCRA HAZARDOUS WASTE SHIPPED: 16,779 TONS

14 FIFTY LARGEST RCRA HAZARDOUS WASTE SHIPPERS, 1997

RANK	EPA ID	SITE NAME	CITY	QUANTITY SHIPPED (TONS)
----	-----	-----	----	-----
1	DED980830400	CIBA-GEIGY CORP, PIGMENTS DEPT	NEWPORT	5,865
2	DED002276764	CITISTEEL USA INC	CLAYMONT	4,865
3	DED003913266	OCCIDENTAL CHEMICAL CORPORATION	DELAWARE CITY	1,130
4	DED002369205	GM ASSEMBLY DIVISION	WILMINGTON	924
5	DED003930807	DUPONT - EXP. STATION	WILMINGTON	727
6	DED085693646	NORAMCO OF DELAWARE	WILMINGTON	507
7	DED041212473	STANDARD CHLORINE OF DELAWARE	DELAWARE CITY	505
8	DED002329738	STAR ENTERPRISE	DELAWARE CITY	324
9	DED002357408	CHRYSLER CORPORATION	NEWARK	232
10	DED984076265	ZENECA - CHEM. ENG. LAB.	NEW CASTLE	228
11	DED001315647	HERCULES RESEARCH CENTER	WILMINGTON	144
12	DED064370992	DUPONT - STINE HASKELL	NEWARK	107
13	DED984071282	MEDAL	NEWPORT	107
14	DED984071068	DUPONT - MERCK EXP. STA.	WILMINGTON	96
15	DED000820704	UNIVERSITY OF DELAWARE	NEWARK	91
16	DED069876795	PRINTPACK	NEW CASTLE	79
17	DED984066118	CHROME DEPOSIT CORPORATION	NEWARK	74
18	DED002353092	JOHNSON CONTROLS GLOBE BATTERY	MIDDLETOWN	73
19	DED054719851	NANTICOKE HOMES INC	GREENWOOD	66
20	DED053304770	MACDERMID IMAGING TECHNOLOGY, INC.	MIDDLETOWN	62
21	DED000820399	ZENECA INC.	WILMINGTON	39
22	DE8570024010	DOVER AIR FORCE BASE	DOVER	38
23	DED982676595	H.P. LITTLE FALLS ANALYTICAL DIVISION	NEWPORT	37
24	DED002342020	ICI AMERICAS - ATLAS POINT SITE	NEW CASTLE	36
25	DED083235549	L.D. CAULK CO.	MILFORD	28
26	DED981743065	L.D. CAULK CO W. MILFORD	MILFORD	27
27	DED002331536	W. L. GORE & ASSOCIATES	NEWARK	26
28	DED981042724	AMTRAK BEAR COMPLEX	BEAR	26
29	DED980537781	CAMDEL METALS CORP	CAMDEN	22
30	DED011028438	ATLANTIC AVIATION CORP	NEW CASTLE	21
31	DEP0000001403	GEORGETOWN CLEANERS	GEORGETOWN	21
32	DED002348845	DUPONT - SEAFORD PLANT	SEAFORD	21
33	DED003930799	DUPONT - CHESTNUT RUN	WILMINGTON	19
34	DED060058062	AMTRAK WILMINGTON MAINT FACILITY	WILMINGTON	17
35	DER0000001156	DADE INTERNATIONAL	GLASGOW	17
36	DED000621417	DP&L - EDGEMOOR	WILMINGTON	16
37	DED981113681	UNIROYAL POLYCAST TECHNOLOGY DIVISION	NEWPORT	14
38	DED110010378	DUPONT - WILM OFFICE BLDG	WILMINGTON	14
39	DEP0000001382	CSX RAILROAD	WILMINGTON	13
40	DED000800284	DUPONT - EDGEMOOR	EDGEMOOR	11
41	DED984075929	RITE OFF INC	SEAFORD	10
42	DED073760167	FMC CORPORATION	NEWARK	10
43	DED069026193	PROCTOR AND GAMBLE	DOVER	9
44	DED154576698	GENERAL CHEMICAL	CLAYMONT	8
45	DED984071076	DUPONT - MERCK S/H	NEWARK	8
46	DED980551261	ARLON INCORPORATED	BEAR	8
47	DED980555122	DUPONT - HOLLY RUN	NEWPORT	8
48	DER0000001313	ICI AMERICAS	NEW CASTLE	8
49	DED981109317	AMP/AKZO ELECTRONICS CENTER	NEWARK	6
50	DED021957444	MFG JUSTIN TANKS	GEORGETOWN	5

TOTAL

16,746

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY SHIPPERS.

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DELAWARE

1997 WASTE RECEIPTS

15 NUMBER OF RCRA HAZARDOUS WASTE RECEIVERS: 1

16 QUANTITY OF RCRA HAZARDOUS WASTE RECEIVED: 1,768 TONS

17 FIFTY LARGEST RCRA HAZARDOUS WASTE RECEIVERS, 1997

RANK	EPA ID	SITE NAME	CITY	QUANTITY RECEIVED (TONS)
----	-----	-----	----	-----
1	DED003930807	DUPONT - EXP. STATION	WILMINGTON	1,768
TOTAL				1,768

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY FACILITIES THAT RECEIVED WASTE.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

DELAWARE

1997 WASTE RECEIPTS, CONTINUED

18 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY MANAGEMENT METHOD,
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997

MANAGEMENT METHOD -----	SYSTEM TYPE CODE -----	QUANTITY MANAGED (TONS) -----	PERCENTAGE OF QUANTITY -----	NUMBER OF FACILITIES -----	PERCENTAGE OF FACILITIES -----
INCINERATION	M041-M049	1,727	100.0	1	100.0
TOTAL		1,727	100.0	1	

19 MANAGEMENT METHOD, BY QUANTITY OF RCRA HAZARDOUS WASTE MANAGED
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997

MANAGEMENT METHOD -----	SYSTEM TYPE CODE -----	QUANTITY MANAGED (TONS) -----	PERCENTAGE OF QUANTITY -----	NUMBER OF FACILITIES -----	PERCENTAGE OF FACILITIES -----
INCINERATION	M041-M049	1,727	100.0	1	100.0
TOTAL		1,727	100.0	1	

20 MANAGEMENT METHOD AND QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY NUMBER OF FACILITIES,
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997

MANAGEMENT METHOD -----	SYSTEM TYPE CODE -----	QUANTITY MANAGED (TONS) -----	PERCENTAGE OF QUANTITY -----	NUMBER OF FACILITIES -----	PERCENTAGE OF FACILITIES -----
INCINERATION	M041-M049	1,727	100.0	1	100.0
TOTAL		1,727	100.0	1	

NOTE: FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.
COLUMNS MAY NOT SUM DUE TO ROUNDING.
COLUMNS MAY NOT SUM TO TOTAL BECAUSE FACILITIES MAY HAVE MULTIPLE HANDLING METHODS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

DELAWARE

1997 IMPORTS AND EXPORTS

21	QUANTITY OF RCRA HAZARDOUS WASTE IMPORTED:	1,612 TONS
22	QUANTITY OF RCRA HAZARDOUS WASTE EXPORTED:	16,537 TONS

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

DISTRICT OF COLUMBIA

1997 WASTE GENERATION

1 NUMBER OF RCRA LARGE QUANTITY GENERATORS (LQGS): 20

2 QUANTITY OF RCRA HAZARDOUS WASTE GENERATED: 499 TONS

3 FIFTY LARGEST RCRA HAZARDOUS WASTE GENERATORS IN THE STATE, 1997

RANK	EPA ID	SITE NAME	CITY	TOTAL GENERATED (TONS)
----	-----	-----	----	-----
1	DC2200907812	U S BUREAU OF ENGRAVING AND PRINTING	WASHINGTON	132
2	DCD000819516	PEPCO BENNING ROAD GENERATING STATION	WASHINGTON	84
3	DC9170024310	HQ NAVAL DISTRICT WASHINGTON	WASHINGTON	52
4	DCD077797793	WASHINGTON GAS LIGHT CO	WASHINGTON	28
5	DCD003238193	WASHINGTON POST NEWSPAPER-SOUTHEAST PLT	WASHINGTON	27
6	DC1960000908	US WASHINGTON ADUEDUCT DIVISION	WASHINGTON	26
7	DC4210021156	WALTER REED ARMY MEDICAL CENTER	WASHINGTON	23
8	DCD049515844	GEORGETOWN UNIVERSITY	WASHINGTON	20
9	DC8170024311	NAVAL RESEARCH LABORATORY	WASHINGTON	17
10	DCD003245768	WASHINGTON POST NEWSPAPER THE	WASHINGTON	16
11	DC4141707162	ARCHITECT OF THE CAPITOL	WASHINGTON	14
12	DC7170023454	U S NAVAL OBSERVATORY	WASHINGTON	14
13	DC9570090036	BOLLING AIR FORCE BASE	WASHINGTON	11
14	DC4170000901	HQ NDW NAVAL STATION ANACOSTIA	WASHINGTON	9
15	DCD981737422	WMATA BRENTWOOD	WASHINGTON	7
16	DC8470000086	FOOD & DRUG ADMINISTRATION FB 8	WASHINGTON	7
17	DCD106341449	HOWARD UNIVERSITY	WASHINGTON	4
18	DCD983966409	HOWARD UNIVERSITY HOSPITAL	WASHINGTON	3
19	DCD980555643	WMATA BLADENSBURG	WASHINGTON	3
20	DCD000819508	PEPCO BUZZARD POINT GENERATING STATION	WASHINGTON	0
TOTAL				499

NOTE: STATE MAY HAVE FEWER THAN FIFTY GENERATORS.
GENERATORS WITH ZERO QUANTITY GENERATED ARE EXCLUDED.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

DISTRICT OF COLUMBIA

1997 WASTE GENERATION, CONTINUED

4 QUANTITIES OF WASTE GENERATED IN 1997 THAT WERE

- REPORTED WITH ONLY CHARACTERISTIC WASTE CODES
 - REPORTED WITH ONLY LISTED WASTE CODES
 - REPORTED WITH BOTH CHARACTERISTIC AND LISTED WASTE CODES

WASTE HAS ONLY CHARACTERISTIC CODES	TONS OF WASTE GENERATED	WASTE HAS ONLY LISTED CODES	TONS OF WASTE GENERATED	WASTE HAS BOTH CHARACTERISTIC AND LISTED CODES	TONS OF WASTE GENERATED
ONLY IGNITABLE	86	ONLY AN F CODE	8		
ONLY CORROSIVE	7	ONLY A K CODE	0		
ONLY REACTIVE	0	ONLY A P CODE	0		
ONLY D004-17	170	ONLY A U CODE	1		
ONLY D018-43	29				
HAS MORE THAN ONE CHARACTERISTIC CODE	39	HAS MORE THAN ONE LISTED CODE	0		
TOTAL	330	TOTAL	9	BOTH CHARACTERISTIC & LISTED	157

5 QUANTITIES OF WASTE GENERATED IN 1997 THAT WERE MULTIPLY CODED

WASTE HAS ONLY CHARACTERISTIC CODES BUT MORE THAN ONE APPLIES	TONS OF WASTE GENERATED	ONLY LISTED CODES BUT HAS MORE THAN ONE	TONS OF WASTE GENERATED	BOTH CHAR, AND LISTED CODES	TONS OF WASTE GENERATED
HAS IGNITABLE CODE	18			IGN. W/ AT LEAST 1 LSTD	51
HAS CORROSIVE CODE	21			CORR. W/ AT LEAST 1 LSTD	99
HAS REACTIVE CODE	2			REACT. W/ AT LEAST 1 LSTD	4
HAS D004-D017 CODE	34			D004-17 W/ AT LEAST 1 LSTD	113
HAS D018-D043 CODE	14			D018-43 W/ AT LEAST 1 LSTD	24
		HAS AN F CODE	0	F WASTE W/ AT LEAST 1 CHAR	56
		HAS A K CODE	0	K WASTE W/ AT LEAST 1 CHAR	96
		HAS A P CODE	0	P WASTE W/ AT LEAST 1 CHAR	9
		HAS A U CODE	0	U WASTE W/ AT LEAST 1 CHAR	6
TOTAL	39	TOTAL	0	TOTAL	157

NOTE: COLUMNS DO NOT SUM TO TOTAL BECAUSE A WASTE CODE MAY APPLY TO MORE THAN ONE WASTE.
 MIXTURES WITH IGNITABLE, CORROSIVE, REACTIVE, D004-17, AND D018-43 CHARACTERISTIC CODES ALSO MAY
 CONTAIN OTHER CHARACTERISTIC WASTE CODES.
 SIMILARLY, WASTES WITH F,K,P, AND U LISTED CODES MAY HAVE OTHER LISTED WASTE CODES.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

DISTRICT OF COLUMBIA

1997 WASTE MANAGEMENT

6 NUMBER OF RCRA TSD FACILITIES: 1

7 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED: 0 TONS

TABLES 8, 9, 10 AND 11 HAVE BEEN OMITTED FROM THIS REPORT BECAUSE THERE WERE NO FACILITIES IN THE DISTRICT OF COLUMBIA THAT REPORTED MANAGING RCRA HAZARDOUS WASTE IN 1997 OTHER THAN AS A STORAGE ONLY FACILITY.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

DISTRICT OF COLUMBIA

1997 WASTE SHIPMENTS

12 NUMBER OF RCRA HAZARDOUS WASTE SHIPPERS: 20

13 QUANTITY OF RCRA HAZARDOUS WASTE SHIPPED: 499 TONS

14 FIFTY LARGEST RCRA HAZARDOUS WASTE SHIPPERS, 1997

RANK	EPA ID	SITE NAME	CITY	QUANTITY SHIPPED (TONS)
----	-----	-----	----	-----
1	DC2200907812	U S BUREAU OF ENGRAVING AND PRINTING	WASHINGTON	132
2	DCD000819516	PEPCO BENNING ROAD GENERATING STATION	WASHINGTON	89
3	DC9170024310	HQ NAVAL DISTRICT WASHINGTON	WASHINGTON	52
4	DCD077797793	WASHINGTON GAS LIGHT CO	WASHINGTON	28
5	DCD003238193	WASHINGTON POST NEWSPAPER-SOUTHEAST PLT	WASHINGTON	27
6	DC1960000908	US WASHINGTON ADUEDUCT DIVISION	WASHINGTON	26
7	DC4210021156	WALTER REED ARMY MEDICAL CENTER	WASHINGTON	23
8	DCD049515844	GEORGETOWN UNIVERSITY	WASHINGTON	20
9	DCD003245768	WASHINGTON POST NEWSPAPER THE	WASHINGTON	16
10	DC7170023454	U S NAVAL OBSERVATORY	WASHINGTON	14
11	DC4141707162	ARCHITECT OF THE CAPITOL	WASHINGTON	14
12	DC8170024311	NAVAL RESEARCH LABORATORY	WASHINGTON	13
13	DC9570090036	BOLLING AIR FORCE BASE	WASHINGTON	11
14	DC4170000901	HQ NDW NAVAL STATION ANACOSTIA	WASHINGTON	9
15	DCD981737422	WMATA BRENTWOOD	WASHINGTON	7
16	DC8470000086	FOOD & DRUG ADMINISTRATION FB 8	WASHINGTON	7
17	DCD106341449	HOWARD UNIVERSITY	WASHINGTON	4
18	DCD983966409	HOWARD UNIVERSITY HOSPITAL	WASHINGTON	3
19	DCD980555643	WMATA BLADENSBURG	WASHINGTON	3
20	DCD000819508	PEPCO BUZZARD POINT GENERATING STATION	WASHINGTON	0

TOTAL

499

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY SHIPPERS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

DISTRICT OF COLUMBIA

1997 WASTE RECEIPTS

TABLES 16, 17, 18, 19, 20, AND 21 HAVE BEEN OMITTED FROM THIS REPORT BECAUSE THERE WERE NO FACILITIES IN THE DISTRICT OF COLUMBIA THAT REPORTED RECEIVING RCRA HAZARDOUS WASTE IN 1997.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

DISTRICT OF COLUMBIA

1997 IMPORTS AND EXPORTS

21 QUANTITY OF RCRA HAZARDOUS WASTE IMPORTED: 0 TONS

22 QUANTITY OF RCRA HAZARDOUS WASTE EXPORTED: 499 TONS

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

FLORIDA

1997 WASTE GENERATION

1 NUMBER OF RCRA LARGE QUANTITY GENERATORS (LQGS): 378

2 QUANTITY OF RCRA HAZARDOUS WASTE GENERATED: 398,535 TONS

3 FIFTY LARGEST RCRA HAZARDOUS WASTE GENERATORS IN THE STATE, 1997

RANK	EPA ID	SITE NAME	CITY	TOTAL GENERATED (TONS)
----	-----	-----	----	-----
1	FLD071951966	SOLUTIA INC	GONZALEZ	175,146
2	FLD004106811	KAISER ALUMINUM & CHEMICAL CORP	MULBERRY	120,009
3	FLD004092839	GULF COAST RECYCLING, INC.	TAMPA	26,319
4	FLD000645481	FMC CORPORATION	JACKSONVILLE	24,894
5	FLD083812537	AMERISTEEL; JACKSONVILLE MILL	BALDWIN	10,516
6	FLD008155673	AIR PRODUCTS AND CHEMICALS, INC/ESCAMBIA	PACE	7,554
7	FLD980729610	LAIDLAW ENVIRONMENTAL SERVICES OF BARTOW	BARTOW	5,387
8	FLD004065926	ARIZONA CHEMICAL	PANAMA CITY	3,680
9	FLD980711071	PERMA FIX OF FLORIDA	GAINESVILLE	3,479
10	FL6170024412	NAVAL AIR STATION JACKSONVILLE	JACKSONVILLE	1,932
11	FLD095565206	REICHHOLD CHEMICAL INC.	PENSACOLA	1,457
12	FLT970057055	FORMER MARTIN COUNTRY RIFLE RANGE	STUART	922
13	FLD043860451	EVEREADY BATTERY COMPANY, INC.	ALACHUA	591
14	FLD004061529	REICHHOLD CHEMICALS	JACKSONVILLE	523
15	FLD050768548	PCR, INC.	GAINESVILLE	448
16	FLD984171611	ARIZONA CHEMICAL	PENSACOLA	387
17	FLD982100240	TSE INDUSTRIES, INC.	CLEARWATER	374
18	FLD064675978	AVESTA SHEFFIELD PIPE CO	WILDWOOD	319
19	FLD082637596	BP OIL COMPANY-TAMPA TERMINAL	TAMPA	301
20	FLD984174706	AXON CIRCUIT, INC	TAMPA	295
21	FLD004065470	WALT DISNEY WORLD CO.	LAKE BUENA VISTA	290
22	FL6800014585	NASA - KENNEDY SPACE CENTER	KENNEDY SPACE CENTER	273
23	FL2800016121	CAPE CANAVERAL AIR STATION	PATRICK AFB	262
24	FLD004057626	TEENCO PACKAGING	JACKSONVILLE	260
25	FLD980838866	TURBINE ENGINE COMPONENTS TEXTRON	ORLANDO	255
26	FLD061916532	BP OIL COMPANY	JACKSONVILLE	252
27	FLD061897054	MONTCO RESEARCH PRODUCTS, INC	HOLLISTER	246
28	FLD980847271	SAFETY-KLEEN CORP	TAMPA	235
29	FLD984171165	SAFETY-KLEEN CORP	SANFORD	230
30	FLT970057691	BERKELEY MANOR COMMERCIAL PARCEL	SPRING HILL	211
31	FLD980845010	CIRENT SEMICONDUCTOR	ORLANDO	201
32	FLD980847214	SAFETY-KLEEN CORP	ORANGE PARK	199
33	FLD004057535	KOPPERS INDUSTRIES, INC.	GAINESVILLE	194
34	FLD092980937	VAW OF AMERICA, INC	ST. AUGUSTINE	194
35	FLD982081994	CONSOLIDATED STAINLESS INC	AUBURNDALE	192
36	FLD098917149	ALUMAX EXTRUSIONS, INC	PLANT CITY	191
37	FLD067242164	ELREHA PRINTED CIRCUITS CORP	ST. PETERSBURG	180
38	FLD984167791	SAFETY-KLEEN CORP	BOYNTON BEACH	177
39	FLD099348625	HYDRO ALUMINUM ROCKLEDGE, INC	ROCKLEDGE	176
40	FLD065912966	ADVANCED QUICK CIRCUITS, L.P.	MELBOURNE	174
41	FL9170024567	NAVAL AIR STATION PENSACOLA	PENSACOLA	174
42	FLD984258632	GREENWICH AIR SERVICES, INC.	MIAMI	165
43	FLD980838569	FAR RESEARCH, INC.	PALM BAY	161
44	FLD004107017	FLORIDA FENCE POST COMPANY, INC.	ONA	160
45	FLD082400441	CORONADO PAINT COMPANY	EDGEWATER	160
46	FLD984175836	GELMAN SCIENCES	PENSACOLA	153
47	FLD058449752	FILM TECHNOLOGIES INT. INC	ST. PETERSBURG	147
48	FL9170024260	NAVAL STATION MAYPORT	MAYPORT	142
49	FLD059397448	ESSILOR OF AMERICA MANUFACTURING	ST. PETERSBURG	140
50	FLD041495441	ALPHA/OWENS CORNING	LAKELAND	133

TOTAL

390,460

NOTE: STATE MAY HAVE FEWER THAN FIFTY GENERATORS.
GENERATORS WITH ZERO QUANTITY GENERATED ARE EXCLUDED.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

FLORIDA

1997 WASTE GENERATION, CONTINUED

4 QUANTITIES OF WASTE GENERATED IN 1997 THAT WERE

- REPORTED WITH ONLY CHARACTERISTIC WASTE CODES
- REPORTED WITH ONLY LISTED WASTE CODES
- REPORTED WITH BOTH CHARACTERISTIC AND LISTED WASTE CODES

WASTE HAS ONLY CHARACTERISTIC CODES	TONS OF WASTE GENERATED	WASTE HAS ONLY LISTED CODES	TONS OF WASTE GENERATED	WASTE HAS BOTH CHARACTERISTIC AND LISTED CODES	TONS OF WASTE GENERATED
ONLY IGNITABLE	9,401	ONLY AN F CODE	3,095		
ONLY CORROSIVE	175,984	ONLY A K CODE	10,995		
ONLY REACTIVE	14	ONLY A P CODE	56		
ONLY D004-17	7,559	ONLY A U CODE	127		
ONLY D018-43	202				
HAS MORE THAN ONE CHARACTERISTIC CODE	146,552	HAS MORE THAN ONE LISTED CODE	49		
TOTAL	339,712	TOTAL	14,322	BOTH CHARACTERISTIC & LISTED	44,483

5 QUANTITIES OF WASTE GENERATED IN 1997 THAT WERE MULTIPLY CODED

WASTE HAS ONLY CHARACTERISTIC CODES BUT MORE THAN ONE APPLIES	TONS OF WASTE GENERATED	ONLY LISTED CODES BUT HAS MORE THAN ONE	TONS OF WASTE GENERATED	BOTH CHAR, AND LISTED CODES	TONS OF WASTE GENERATED
HAS IGNITABLE CODE	2,373			IGN. W/ AT LEAST 1 LSTD	17,286
HAS CORROSIVE CODE	144,166			CORR. W/ AT LEAST 1 LSTD	219
HAS REACTIVE CODE	198			REACT. W/ AT LEAST 1 LSTD	135
HAS D004-D017 CODE	146,044			D004-17 W/ AT LEAST 1 LSTD	35,163
HAS D018-D043 CODE	2,137			D018-43 W/ AT LEAST 1 LSTD	11,201
		HAS AN F CODE	48	F WASTE W/ AT LEAST 1 CHAR	19,522
		HAS A K CODE	0	K WASTE W/ AT LEAST 1 CHAR	5,288
		HAS A P CODE	15	P WASTE W/ AT LEAST 1 CHAR	24,878
		HAS A U CODE	35	U WASTE W/ AT LEAST 1 CHAR	26,481
TOTAL	146,552	TOTAL	49	TOTAL	44,483

NOTE: COLUMNS DO NOT SUM TO TOTAL BECAUSE A WASTE CODE MAY APPLY TO MORE THAN ONE WASTE.
 MIXTURES WITH IGNITABLE, CORROSIVE, REACTIVE, D004-17, AND D018-43 CHARACTERISTIC CODES ALSO MAY
 CONTAIN OTHER CHARACTERISTIC WASTE CODES.
 SIMILARLY, WASTES WITH F,K,P, AND U LISTED CODES MAY HAVE OTHER LISTED WASTE CODES.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

FLORIDA

1997 WASTE MANAGEMENT

6 NUMBER OF RCRA TSD FACILITIES: 46

7 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED: 207,560 TONS

8 FIFTY LARGEST RCRA HAZARDOUS WASTE MANAGEMENT FACILITIES, 1997

RANK	EPA ID	SITE NAME	CITY	TONS OF WASTE MANAGED
----	-----	-----	----	-----
1	FLD004106811	KAISER ALUMINUM & CHEMICAL CORP	MULBERRY	120,009
2	FLD001447952	UTC, PRATT & WHITNEY	JUPITER	55,897
3	FLD004092839	GULF COAST RECYCLING, INC.	TAMPA	23,811
4	FLD980729610	LAIDLAW ENVIRONMENTAL SERVICES OF BARTOW	BARTOW	4,067
5	FLD980711071	PERMA FIX OF FLORIDA	GAINESVILLE	2,405
6	FLD004065926	ARIZONA CHEMICAL	PANAMA CITY	948
7	FLD984262782	MERCURY TECHNOLOGIES INTERNATIONAL AND	WEST MELBOURNE	321
8	FL0000207449	RECYCLIGHTS, INC.	TALLAHASSEE	59
9	FL0000904300	P-3 INC	TAMPA	22
10	FLD982106429	MASTER PACKAGING, INC	TAMPA	17
11	FL6800014585	NASA - KENNEDY SPACE CENTER	KENNEDY SPACE CENTER	4
12	FLD047096524	PRIMEX TECHNOLOGIES, INC.	ST. MARKS	0
13	FL0000359679	RECYCLIGHTS, INC.	LAKELAND	0
TOTAL				207,560

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
 STATE MAY HAVE FEWER THAN FIFTY FACILITIES THAT MANAGED WASTE.
 FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

FLORIDA

1997 WASTE MANAGEMENT, CONTINUED

9 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY MANAGEMENT METHOD, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
METALS RECOVERY (FOR REUSE)	M011-M019	23,458	11.3	5	38.5
SOLVENTS RECOVERY	M021-M029	662	.3	5	38.5
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	948	.5	1	7.7
FUEL BLENDING	M061	5,830	2.8	2	15.4
STABILIZATION	M111-M119	755	.4	1	7.7
DEEPWELL / UNDERGROUND INJECTION	M134	175,906	84.7	2	15.4
TOTAL		207,560	100.0	13	

10 MANAGEMENT METHOD, BY QUANTITY OF RCRA HAZARDOUS WASTE MANAGED, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
DEEPWELL / UNDERGROUND INJECTION	M134	175,906	84.7	2	15.4
METALS RECOVERY (FOR REUSE)	M011-M019	23,458	11.3	5	38.5
FUEL BLENDING	M061	5,830	2.8	2	15.4
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	948	.5	1	7.7
STABILIZATION	M111-M119	755	.4	1	7.7
SOLVENTS RECOVERY	M021-M029	662	.3	5	38.5
TOTAL		207,560	100.0	13	

11 MANAGEMENT METHOD AND QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY NUMBER OF FACILITIES, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
METALS RECOVERY (FOR REUSE)	M011-M019	23,458	11.3	5	38.5
SOLVENTS RECOVERY	M021-M029	662	.3	5	38.5
FUEL BLENDING	M061	5,830	2.8	2	15.4
DEEPWELL / UNDERGROUND INJECTION	M134	175,906	84.7	2	15.4
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	948	.5	1	7.7
STABILIZATION	M111-M119	755	.4	1	7.7
TOTAL		207,560	100.0	13	

NOTE: FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.
COLUMNS MAY NOT SUM DUE TO ROUNDING.
COLUMNS MAY NOT SUM TO TOTAL BECAUSE FACILITIES MAY HAVE MULTIPLE HANDLING METHODS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

FLORIDA

1997 WASTE SHIPMENTS

12 NUMBER OF RCRA HAZARDOUS WASTE SHIPPERS: **370**

13 QUANTITY OF RCRA HAZARDOUS WASTE SHIPPED: **86,783 TONS**

14 FIFTY LARGEST RCRA HAZARDOUS WASTE SHIPPERS, 1997

RANK	EPA ID	SITE NAME	CITY	QUANTITY SHIPPED (TONS)
----	-----	-----	----	-----
1	FLD000645481	FMC CORPORATION	JACKSONVILLE	24,894
2	FLD083812537	AMERISTEEL; JACKSONVILLE MILL	BALDWIN	10,516
3	FLD980729610	LAIDLAW ENVIRONMENTAL SERVICES OF BARTOW	BARTOW	8,221
4	FLD980711071	PERMA FIX OF FLORIDA	GAINESVILLE	3,496
5	FLD004065926	ARIZONA CHEMICAL	PANAMA CITY	2,732
6	FLD004092839	GULF COAST RECYCLING, INC.	TAMPA	2,507
7	FLD981474802	LAIDLAW ENVIRONMENTAL SERVICES (TS), INC	CLEARWATER	2,491
8	FL6170024412	NAVAL AIR STATION JACKSONVILLE	JACKSONVILLE	1,881
9	FLD984171165	SAFETY-KLEEN CORP	SANFORD	1,821
10	FLD984167791	SAFETY-KLEEN CORP	BOYNTON BEACH	1,620
11	FLD980847271	SAFETY-KLEEN CORP	TAMPA	1,563
12	FLD095565206	REICHHOLD CHEMICAL INC.	PENSACOLA	1,457
13	FLD980559728	CHEMICAL CONSERVATION CORPORATION	ORLANDO	1,219
14	FLD980847214	SAFETY-KLEEN CORP	ORANGE PARK	1,131
15	FLD008155673	AIR PRODUCTS AND CHEMICALS, INC/ESCAMBIA	PACE	986
16	FLD982133159	SAFETY-KLEEN CORP	TALLAHASSEE	964
17	FLD984171694	SAFETY-KLEEN CORP	MEDLEY	963
18	FLD981932494	CITY ENVIRONMENTAL SERVICES INC.	TAMPA	947
19	FLT970057055	FORMER MARTIN COUNTRY RIFLE RANGE	STUART	922
20	FLD043860451	EVEREADY BATTERY COMPANY, INC.	ALACHUA	591
21	FLD000776716	SAFETY-KLEEN CORP	PORT CHARLOTTE	567
22	FLD004061529	REICHHOLD CHEMICALS	JACKSONVILLE	523
23	FLD050768548	PCR, INC.	GAINESVILLE	448
24	FLD984171611	ARIZONA CHEMICAL	PENSACOLA	387
25	FLD982100240	TSE INDUSTRIES, INC.	CLEARWATER	374
26	FLD064675978	AVESTA SHEFFIELD PIPE CO	WILDWOOD	319
27	FLD082637596	BP OIL COMPANY-TAMPA TERMINAL	TAMPA	301
28	FLD984174706	AXON CIRCUIT, INC	TAMPA	295
29	FL6800014585	NASA - KENNEDY SPACE CENTER	KENNEDY SPACE CENTER	278
30	FLD004065470	WALT DISNEY WORLD CO.	LAKE BUENA VISTA	272
31	FLD004057626	TEENCO PACKAGING	JACKSONVILLE	260
32	FL2800016121	CAPE CANAVERAL AIR STATION	PATRICK AFB	258
33	FLD980838866	TURBINE ENGINE COMPONENTS TEXTRON	ORLANDO	255
34	FLD061916532	BP OIL COMPANY	JACKSONVILLE	252
35	FLD061897054	MONTCO RESEARCH PRODUCTS, INC	HOLLISTER	246
36	FLT970057691	BERKELEY MANOR COMMERCIAL PARCEL	SPRING HILL	211
37	FLD980845010	CIRENT SEMICONDUCTOR	ORLANDO	205
38	FLD004057535	KOPPERS INDUSTRIES, INC.	GAINESVILLE	194
39	FLD982081994	CONSOLIDATED STAINLESS INC	AUBURNDALE	192
40	FLD098917149	ALUMAX EXTRUSIONS, INC	PLANT CITY	191
41	FL9170024567	NAVAL AIR STATION PENSACOLA	PENSACOLA	188
42	FLD067242164	ELREHA PRINTED CIRCUITS CORP	ST. PETERSBURG	180
43	FLD065912966	ADVANCED QUICK CIRCUITS, L.P.	MELBOURNE	174
44	FLD984258632	GREENWICH AIR SERVICES, INC.	MIAMI	163
45	FLD092980937	VAW OF AMERICA, INC	ST. AUGUSTINE	162
46	FLD980838569	FAR RESEARCH, INC.	PALM BAY	161
47	FLD004107017	FLORIDA FENCE POST COMPANY, INC.	ONA	160
48	FLD082400441	CORONADO PAINT COMPANY	EDGEWATER	160
49	FLD984175836	GELMAN SCIENCES	PENSACOLA	153
50	FLD058449752	FILM TECHNOLOGIES INT. INC	ST. PETERSBURG	147

TOTAL

78,599

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY SHIPPERS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

FLORIDA

1997 WASTE RECEIPTS

15 NUMBER OF RCRA HAZARDOUS WASTE RECEIVERS: 21

16 QUANTITY OF RCRA HAZARDOUS WASTE RECEIVED: 22,640 TONS

17 FIFTY LARGEST RCRA HAZARDOUS WASTE RECEIVERS, 1997

RANK	EPA ID	SITE NAME	CITY	QUANTITY RECEIVED (TONS)
----	-----	-----	----	-----
1	FLD980729610	LAIDLAW ENVIRONMENTAL SERVICES OF BARTOW	BARTOW	6,705
2	FLD981474802	LAIDLAW ENVIRONMENTAL SERVICES (TS), INC	CLEARWATER	2,924
3	FLD980711071	PERMA FIX OF FLORIDA	GAINESVILLE	2,575
4	FLD981932494	CITY ENVIRONMENTAL SERVICES INC.	TAMPA	1,695
5	FLD984171165	SAFETY-KLEEN CORP	SANFORD	1,459
6	FLD984167791	SAFETY-KLEEN CORP	BOYNTON BEACH	1,323
7	FLD980559728	CHEMICAL CONSERVATION CORPORATION	ORLANDO	1,260
8	FLD980847271	SAFETY-KLEEN CORP	TAMPA	1,208
9	FLD984171694	SAFETY-KLEEN CORP	MEDLEY	962
10	FLD980847214	SAFETY-KLEEN CORP	ORANGE PARK	883
11	FLD982133159	SAFETY-KLEEN CORP	TALLAHASSEE	765
12	FLD000776716	SAFETY-KLEEN CORP	PORT CHARLOTTE	446
13	FLD984262782	MERCURY TECHNOLOGIES INTERNATIONAL AND	WEST MELBOURNE	321
14	FL0000207449	RECYCLIGHTS, INC.	TALLAHASSEE	58
15	FL0000904300	P-3 INC	TAMPA	22
16	FL9170024567	NAVAL AIR STATION PENSACOLA	PENSACOLA	14
17	FL6170022952	NAVAL AIR STATION	KEY WEST.	10
18	FLD000823393	UNIVERSITY OF FLORIDA	GAINESVILLE	10
19	FL8570024366	USAF AFDTC/EM	EGLIN AFB	1
20	FL0000359679	RECYCLIGHTS, INC.	LAKELAND	0
21	FLD001447952	UTC, PRATT & WHITNEY	JUPITER	0

TOTAL 22,640

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY FACILITIES THAT RECEIVED WASTE.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

FLORIDA

1997 WASTE RECEIPTS, CONTINUED

18 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY MANAGEMENT METHOD,
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
METALS RECOVERY (FOR REUSE)	M011-M019	401	5.9	4	66.7
SOLVENTS RECOVERY	M021-M029	622	9.1	1	16.7
FUEL BLENDING	M061	5,830	85.1	2	33.3
TOTAL		6,854	100.0	6	

19 MANAGEMENT METHOD, BY QUANTITY OF RCRA HAZARDOUS WASTE MANAGED
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
FUEL BLENDING	M061	5,830	85.1	2	33.3
SOLVENTS RECOVERY	M021-M029	622	9.1	1	16.7
METALS RECOVERY (FOR REUSE)	M011-M019	401	5.9	4	66.7
TOTAL		6,854	100.0	6	

20 MANAGEMENT METHOD AND QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY NUMBER OF FACILITIES,
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
METALS RECOVERY (FOR REUSE)	M011-M019	401	5.9	4	66.7
FUEL BLENDING	M061	5,830	85.1	2	33.3
SOLVENTS RECOVERY	M021-M029	622	9.1	1	16.7
TOTAL		6,854	100.0	6	

NOTE: FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.
COLUMNS MAY NOT SUM DUE TO ROUNDING.
COLUMNS MAY NOT SUM TO TOTAL BECAUSE FACILITIES MAY HAVE MULTIPLE HANDLING METHODS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

FLORIDA

1997 IMPORTS AND EXPORTS

21	QUANTITY OF RCRA HAZARDOUS WASTE IMPORTED:	7,126 TONS
22	QUANTITY OF RCRA HAZARDOUS WASTE EXPORTED:	80,786 TONS

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

GEORGIA

1997 WASTE GENERATION

- 1 NUMBER OF RCRA LARGE QUANTITY GENERATORS (LQGS): 405
- 2 QUANTITY OF RCRA HAZARDOUS WASTE GENERATED: 275,096 TONS
- 3 FIFTY LARGEST RCRA HAZARDOUS WASTE GENERATORS IN THE STATE, 1997

RANK	EPA ID	SITE NAME	CITY	TOTAL GENERATED (TONS)
1	GAD050766401	GA EPD/ESCAMBIA TREATING COMPANY	BRUNSWICK	128,036
2	GAD981237118	NUTRASWEET	AUGUSTA	25,860
3	GAD070330576	GNB TECHNOLOGIES, INC.	COLUMBUS	12,210
4	GAD003324985	MERCK & CO, INC.	ALBANY	11,806
5	GAD030059182	BIRMINGHAM SOUTHEAST	CARTERSVILLE	11,663
6	GAD980842975	INTERMETRO INDUSTRIES CORP.	DOUGLAS	8,457
7	GA3210020084	US ARMY INFANTRY CENTER	FORT BENNING	6,152
8	GAD000814541	SOUTHWIRE COPPER DIVISION	CARROLLTON	4,342
9	GAD039046800	SEARLE	AUGUSTA	4,175
10	GAD096629282	ADVANCED ENV TECHNICAL SERVICES DBA CWM	MORROW	3,921
11	GAD051011609	DSM CHEMICALS NORTH AMERICA, INC.	AUGUSTA	2,946
12	GAD084823301	MCWHORTER TECHNOLOGIES, INC.	FOREST PARK	2,270
13	GAD003310810	GENERAL MOTORS CORP. - DORAVILLE	DORAVILLE	2,254
14	GAD042869057	SHERWIN WILLIAMS	MORROW	2,186
15	GAD981269095	MCF SYSTEMS ATLANTA INC	DECATUR	2,049
16	GA8570024606	LOCKHEED MARTIN AERONAUTICAL SYSTEMS	MARIETTA	1,883
17	GAD033582461	ALTERNATE ENERGY RESOURCES, INC.	AUGUSTA	1,787
18	GAD033842543	TRI-STATE STEEL DRUM INC	GRAYSVILLE	1,723
19	GA7170023694	MCLB ALBANY	ALBANY	1,307
20	GAD006924872	DELTA AIR LINES, INC.	ATLANTA	1,186
21	GAD000610378	RUETGERS-NEASE CORPORATION AUGUSTA, GA.	AUGUSTA	1,156
22	GAD980726491	NORAMCO, INC.	ATHENS	1,128
23	GAD075876623	PPG ARCHITECTURAL FINISHES	EAST POINT	1,112
24	GAD075942706	DELPHI-E	FITZGERALD	1,100
25	GAR000012633	ATLANTA ARENA	ATLANTA	1,090
26	GAR000009670	TEXTTEK, INC	TUCKER	1,039
27	GA1570024330	ROBINS AIR FORCE BASE	WARNER ROBINS	992
28	GAD095811162	PHOTOCIRCUITS CORPORATION	PEACHTREE CITY	946
29	GAD008966400	AMERCORD, INC.	LUMBER CITY	936
30	GAD003275252	UNION CAMP - SAVANNAH	SAVANNAH	890
31	GAD984306092	ATLANTA GAS LIGHT COMPANY- AUGUSTA MGP	AUGUSTA	717
32	GAD003305307	FORD MOTOR COMPANY	HAPEVILLE	687
33	GAD981255276	MATSUSHITA-ULTRA TECH. BATTERY CORP.	COLUMBUS	672
34	GAR000004614	LAGRANGE MOULDING COMPANY	LAGRANGE	659
35	GA0001122159	STERLING PULP CHEMICALS	VALDOSTA	640
36	GAD003274545	PRINTPACK, INC.	ATLANTA	577
37	GAD131327546	PIEDMONT LABORATORIES, INC.	GAINESVILLE	566
38	GAD045929643	THE DOW CHEMICAL COMPANY, DALTON, GA	DALTON	458
39	GAD984311860	MATSUSHITA STORAGE BATTERY DIVISION	COLUMBUS	442
40	GAD084914787	ATLANTIC WOOD INDUSTRIES, INC.	PORT WENTWORTH	438
41	GAR000011502	ROGERS FARM	REIDSVILLE	438
42	GAD000228809	GA EPD\MOULTRIE WOOD PRESERVING SITE	MOULTRIE	432
43	GAD003480530	SCOVILL FASTENERS INC.	CLARKESVILLE	424
44	GAD047941331	STAR ENTERPRISE	BAINBRIDGE	387
45	GAD984318899	PHOTOCIRCUITS CORPORATION	PEACH TREE CITY	381
46	GAD003277191	CALLAWAY CHEMICAL COMPANY	SMYRNA	373
47	GAD047958343	TRENT TUBE	CARROLLTON	351
48	GAD051010429	AMREP INC.	MARIETTA	337
49	GAD003305125	SAVANNAH PAINT MFG, CO.	SAVANNAH	334
50	GAD000827873	METAL COATERS	MARIETTA	330

TOTAL

256,242

NOTE: STATE MAY HAVE FEWER THAN FIFTY GENERATORS.
 GENERATORS WITH ZERO QUANTITY GENERATED ARE EXCLUDED.
 CBI DATA HAS BEEN EXCLUDED FROM THE STATE DETAIL ANALYSIS VOLUME.

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GEORGIA

1997 WASTE GENERATION, CONTINUED

4 QUANTITIES OF WASTE GENERATED IN 1997 THAT WERE

- REPORTED WITH ONLY CHARACTERISTIC WASTE CODES
- REPORTED WITH ONLY LISTED WASTE CODES
- REPORTED WITH BOTH CHARACTERISTIC AND LISTED WASTE CODES

WASTE HAS ONLY CHARACTERISTIC CODES	TONS OF WASTE GENERATED	WASTE HAS ONLY LISTED CODES	TONS OF WASTE GENERATED	WASTE HAS BOTH CHARACTERISTIC AND LISTED CODES	TONS OF WASTE GENERATED
ONLY IGNITABLE	7,193	ONLY AN F CODE	140,446		
ONLY CORROSIVE	1,111	ONLY A K CODE	13,323		
ONLY REACTIVE	6	ONLY A P CODE	209		
ONLY D004-17	33,232	ONLY A U CODE	461		
ONLY D018-43	1,278				
HAS MORE THAN ONE CHARACTERISTIC CODE	35,642	HAS MORE THAN ONE LISTED CODE	1,081		
TOTAL	78,461	TOTAL	155,520	BOTH CHARACTERISTIC & LISTED	41,096

5 QUANTITIES OF WASTE GENERATED IN 1997 THAT WERE MULTIPLY CODED

WASTE HAS ONLY CHARACTERISTIC CODES BUT MORE THAN ONE APPLIES	TONS OF WASTE GENERATED	ONLY LISTED CODES BUT HAS MORE THAN ONE	TONS OF WASTE GENERATED	BOTH CHAR, AND LISTED CODES	TONS OF WASTE GENERATED
HAS IGNITABLE CODE	34,021			IGN. W/ AT LEAST 1 LSTD	30,819
HAS CORROSIVE CODE	29,457			CORR. W/ AT LEAST 1 LSTD	249
HAS REACTIVE CODE	121			REACT. W/ AT LEAST 1 LSTD	37
HAS D004-D017 CODE	2,904			D004-17 W/ AT LEAST 1 LSTD	10,672
HAS D018-D043 CODE	5,544			D018-43 W/ AT LEAST 1 LSTD	11,136
		HAS AN F CODE	1,053	F WASTE W/ AT LEAST 1 CHAR	34,318
		HAS A K CODE	200	K WASTE W/ AT LEAST 1 CHAR	614
		HAS A P CODE	28	P WASTE W/ AT LEAST 1 CHAR	173
		HAS A U CODE	881	U WASTE W/ AT LEAST 1 CHAR	11,354
TOTAL	35,642	TOTAL	1,081	TOTAL	41,096

NOTE: COLUMNS DO NOT SUM TO TOTAL BECAUSE A WASTE CODE MAY APPLY TO MORE THAN ONE WASTE.
 MIXTURES WITH IGNITABLE, CORROSIVE, REACTIVE, D004-17, AND D018-43 CHARACTERISTIC CODES ALSO MAY
 CONTAIN OTHER CHARACTERISTIC WASTE CODES.
 SIMILARLY, WASTES WITH F,K,P, AND U LISTED CODES MAY HAVE OTHER LISTED WASTE CODES.
 CBI DATA HAS BEEN EXCLUDED FROM THE STATE DETAIL ANALYSIS VOLUME.

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GEORGIA

1997 WASTE MANAGEMENT

6 NUMBER OF RCRA TSD FACILITIES: 55

7 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED: 72,558 TONS

8 FIFTY LARGEST RCRA HAZARDOUS WASTE MANAGEMENT FACILITIES, 1997

RANK	EPA ID	SITE NAME	CITY	TONS OF WASTE MANAGED
----	-----	-----	----	-----
1	GAD981237118	NUTRASWEET	AUGUSTA	25,851
2	GAD093380814	CHEMICAL CONSERVATION OF GA INC	VALDOSTA	25,845
3	GAD981269095	MCF SYSTEMS ATLANTA INC	DECATUR	4,086
4	GAD096629282	ADVANCED ENV TECHNICAL SERVICES DBA CWM	MORROW	3,736
5	GAD039046800	SEARLE	AUGUSTA	3,238
6	GAD051011609	DSM CHEMICALS NORTH AMERICA, INC.	AUGUSTA	2,833
7	GAD084823301	MCWHORTER TECHNOLOGIES, INC.	FOREST PARK	2,144
8	GA8570024606	LOCKHEED MARTIN AERONAUTICAL SYSTEMS	MARIETTA	1,782
9	GAD033842543	TRI-STATE STEEL DRUM INC	GRAYSVILLE	1,460
10	GAD033582461	ALTERNATE ENERGY RESOURCES, INC.	AUGUSTA	718
11	GAD070330576	GNB TECHNOLOGIES, INC.	COLUMBUS	468
12	GAD980708788	ALL-PAK, INC.	DECATUR	279
13	GAD003273224	THE WILLIAM L BONNELL, COMPANY INC.	NEWMAN	57
14	GAD001700699	SOLUTIA	AUGUSTA	38
15	GAD000229906	GDOT PROJECT STP-MS(170) JEFF DAVIS CO	ATLANTA	16
16	GA1570024330	ROBINS AIR FORCE BASE	WARNER ROBINS	5
17	GAD000616367	MKC ENTERPRISES INC	DORAVILLE	2
18	GAD003275252	UNION CAMP - SAVANNAH	SAVANNAH	1
TOTAL				72,558

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY FACILITIES THAT MANAGED WASTE.
FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.
CBI DATA HAS BEEN EXCLUDED FROM THE STATE DETAIL ANALYSIS VOLUME.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

GEORGIA

1997 WASTE MANAGEMENT, CONTINUED

9 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY MANAGEMENT METHOD, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
METALS RECOVERY (FOR REUSE)	M011-M019	1	.0	1	5.6
SOLVENTS RECOVERY	M021-M029	4,268	5.9	6	33.3
INCINERATION	M041-M049	5,381	7.4	2	11.1
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	28,685	39.5	2	11.1
FUEL BLENDING	M061	31,071	42.8	6	33.3
SLUDGE TREATMENT	M101-M109	1,820	2.5	2	11.1
STABILIZATION	M111-M119	1,334	1.8	3	16.7
TOTAL		72,558	100.0	18	

10 MANAGEMENT METHOD, BY QUANTITY OF RCRA HAZARDOUS WASTE MANAGED, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
FUEL BLENDING	M061	31,071	42.8	6	33.3
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	28,685	39.5	2	11.1
INCINERATION	M041-M049	5,381	7.4	2	11.1
SOLVENTS RECOVERY	M021-M029	4,268	5.9	6	33.3
SLUDGE TREATMENT	M101-M109	1,820	2.5	2	11.1
STABILIZATION	M111-M119	1,334	1.8	3	16.7
METALS RECOVERY (FOR REUSE)	M011-M019	1	.0	1	5.6
TOTAL		72,558	100.0	18	

11 MANAGEMENT METHOD AND QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY NUMBER OF FACILITIES, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
FUEL BLENDING	M061	31,071	42.8	6	33.3
SOLVENTS RECOVERY	M021-M029	4,268	5.9	6	33.3
STABILIZATION	M111-M119	1,334	1.8	3	16.7
INCINERATION	M041-M049	5,381	7.4	2	11.1
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	28,685	39.5	2	11.1
SLUDGE TREATMENT	M101-M109	1,820	2.5	2	11.1
METALS RECOVERY (FOR REUSE)	M011-M019	1	.0	1	5.6
TOTAL		72,558	100.0	18	

NOTE: FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.
COLUMNS MAY NOT SUM DUE TO ROUNDING.
COLUMNS MAY NOT SUM TO TOTAL BECAUSE FACILITIES MAY HAVE MULTIPLE HANDLING METHODS.
CBI DATA HAS BEEN EXCLUDED FROM THE STATE DETAIL ANALYSIS VOLUME.

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GEORGIA

1997 WASTE SHIPMENTS

12 NUMBER OF RCRA HAZARDOUS WASTE SHIPPERS: 376

13 QUANTITY OF RCRA HAZARDOUS WASTE SHIPPED: 253,131 TONS

14 FIFTY LARGEST RCRA HAZARDOUS WASTE SHIPPERS, 1997

RANK	EPA ID	SITE NAME	CITY	QUANTITY SHIPPED (TONS)
1	GAD050766401	GA EPD/ESCAMBIA TREATING COMPANY	BRUNSWICK	128,036
2	GAD096629282	ADVANCED ENV TECHNICAL SERVICES DBA CWM	MORROW	14,085
3	GAD003324985	MERCK & CO, INC.	ALBANY	11,806
4	GAD070330576	GNB TECHNOLOGIES, INC.	COLUMBUS	11,705
5	GAD030059182	BIRMINGHAM SOUTHEAST	CARTERSVILLE	11,663
6	GAD980842975	INTERMETRO INDUSTRIES CORP.	DOUGLAS	10,457
7	GA3210020084	US ARMY INFANTRY CENTER	FORT BENNING	6,152
8	GAD000814541	SOUTHWIRE COPPER DIVISION	CARROLLTON	4,342
9	GAD003310810	GENERAL MOTORS CORP. - DORAVILLE	DORAVILLE	2,254
10	GAD042869057	SHERWIN WILLIAMS	MORROW	2,186
11	GAD981269095	MCF SYSTEMS ATLANTA INC	DECATUR	2,049
12	GAD033582461	ALTERNATE ENERGY RESOURCES, INC.	AUGUSTA	1,656
13	GAD980842777	SAFETY-KLEEN CORP NORCROSS	NORCROSS	1,605
14	GA7170023694	MCLB ALBANY	ALBANY	1,305
15	GAD033842543	TRI-STATE STEEL DRUM INC	GRAYSVILLE	1,186
16	GAD980726491	NORAMCO, INC.	ATHENS	1,130
17	GAD006924872	DELTA AIR LINES, INC.	ATLANTA	1,123
18	GAD075876623	PPG ARCHITECTURAL FINISHES	EAST POINT	1,112
19	GAD000610378	RUETGERS-NEASE CORPORATION AUGUSTA, GA.	AUGUSTA	1,107
20	GAD003275252	UNION CAMP - SAVANNAH	SAVANNAH	1,103
21	GAD075942706	DELPHI-E	FITZGERALD	1,100
22	GAR000012633	ATLANTA ARENA	ATLANTA	1,090
23	GAR000009670	TEXTEK, INC	TUCKER	1,039
24	GA1570024330	ROBINS AIR FORCE BASE	WARNER ROBINS	961
25	GAD095811162	PHOTOCIRCUITS CORPORATION	PEACHTREE CITY	946
26	GAD039046800	SEARLE	AUGUSTA	937
27	GAD008966400	AMERCORD, INC.	LUMBER CITY	914
28	GAD981265424	SAFETY-KLEEN CORP MORROW	MORROW	893
29	GAD984306092	ATLANTA GAS LIGHT COMPANY- AUGUSTA MGP	AUGUSTA	717
30	GAD003305307	FORD MOTOR COMPANY	HAPEVILLE	687
31	GAD981255276	MATSUSHITA-ULTRA TECH. BATTERY CORP.	COLUMBUS	672
32	GAR000004614	LAGRANGE MOULDING COMPANY	LAGRANGE	659
33	GA0001122159	STERLING PULP CHEMICALS	VALDOSTA	640
34	GAD131327546	PIEDMONT LABORATORIES, INC.	GAINESVILLE	566
35	GAD045929643	THE DOW CHEMICAL COMPANY, DALTON, GA	DALTON	458
36	GAD984311860	MATSUSHITA STORAGE BATTERY DIVISION	COLUMBUS	442
37	GAD000776781	SAFETY-KLEEN CORP GARDEN CITY	GARDEN CITY	441
38	GAD084914787	ATLANTIC WOOD INDUSTRIES, INC.	PORT WENTWORTH	438
39	GAR000011502	ROGERS FARM	REIDSVILLE	438
40	GAD000228809	GA EPD\MOULTRIE WOOD PRESERVING SITE	MOULTRIE	432
41	GAD003480530	SCOVILL FASTENERS INC.	CLARKESVILLE	424
42	GAD981231970	OPTIMA CHEMICAL	DOUGLAS	410
43	GAD000823096	SAFETY-KLEEN CORP COLUMBUS	COLUMBUS	396
44	GAD047941331	STAR ENTERPRISE	BAINBRIDGE	387
45	GAD984318899	PHOTOCIRCUITS CORPORATION	PEACH TREE CITY	381
46	GAD003277191	CALLAWAY CHEMICAL COMPANY	SMYRNA	369
47	GAD003305125	SAVANNAH PAINT MFG, CO.	SAVANNAH	353
48	GAD047958343	TRENT TUBE	CARROLLTON	341
49	GAD051010429	MAREP INC.	MARIETTA	337
50	GAD000827873	METAL COATERS	MARIETTA	330

TOTAL

234,263

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY SHIPPERS.
CBI DATA HAS BEEN EXCLUDED FROM THE STATE DETAIL ANALYSIS VOLUME.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

GEORGIA

1997 WASTE RECEIPTS

15 NUMBER OF RCRA HAZARDOUS WASTE RECEIVERS: 12

16 QUANTITY OF RCRA HAZARDOUS WASTE RECEIVED: 23,378 TONS

17 FIFTY LARGEST RCRA HAZARDOUS WASTE RECEIVERS, 1997

RANK	EPA ID	SITE NAME	CITY	QUANTITY RECEIVED (TONS)
----	-----	-----	----	-----
1	GAD093380814	CHEMICAL CONSERVATION OF GA INC	VALDOSTA	12,923
2	GAD096629282	ADVANCED ENV TECHNICAL SERVICES DBA CWM	MORROW	3,734
3	GAD981269095	MCF SYSTEMS ATLANTA INC	DECATUR	2,037
4	GAD980842777	SAFETY-KLEEN CORP NORCROSS	NORCROSS	1,177
5	GAD033842543	TRI-STATE STEEL DRUM INC	GRAYSVILLE	964
6	GAD981265424	SAFETY-KLEEN CORP MORROW	MORROW	652
7	GAD033582461	ALTERNATE ENERGY RESOURCES, INC.	AUGUSTA	489
8	GAD000616367	MKC ENTERPRISES INC	DORAVILLE	358
9	GAD000776781	SAFETY-KLEEN CORP GARDEN CITY	GARDEN CITY	337
10	GAD000823096	SAFETY-KLEEN CORP COLUMBUS	COLUMBUS	262
11	GAD041007063	ASHLAND CHEMICAL COMPANY- SAVANNAH, GA	SAVANNAH	252
12	GAD980709257	SAFETY-KLEEN CORP MACON	MACON	193

TOTAL

23,378

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY FACILITIES THAT RECEIVED WASTE.
CBI DATA HAS BEEN EXCLUDED FROM THE STATE DETAIL ANALYSIS VOLUME.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

GEORGIA

1997 WASTE RECEIPTS, CONTINUED

18 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY MANAGEMENT METHOD,
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
METALS RECOVERY (FOR REUSE)	M011-M019	1	.0	1	16.7
SOLVENTS RECOVERY	M021-M029	2,038	10.3	2	33.3
FUEL BLENDING	M061	17,749	89.7	5	83.3
TOTAL		19,787	100.0	6	

19 MANAGEMENT METHOD, BY QUANTITY OF RCRA HAZARDOUS WASTE MANAGED
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
FUEL BLENDING	M061	17,749	89.7	5	83.3
SOLVENTS RECOVERY	M021-M029	2,038	10.3	2	33.3
METALS RECOVERY (FOR REUSE)	M011-M019	1	.0	1	16.7
TOTAL		19,787	100.0	6	

20 MANAGEMENT METHOD AND QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY NUMBER OF FACILITIES,
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
FUEL BLENDING	M061	17,749	89.7	5	83.3
SOLVENTS RECOVERY	M021-M029	2,038	10.3	2	33.3
METALS RECOVERY (FOR REUSE)	M011-M019	1	.0	1	16.7
TOTAL		19,787	100.0	6	

NOTE: FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.
COLUMNS MAY NOT SUM DUE TO ROUNDING.
COLUMNS MAY NOT SUM TO TOTAL BECAUSE FACILITIES MAY HAVE MULTIPLE HANDLING METHODS.
CBI DATA HAS BEEN EXCLUDED FROM THE STATE DETAIL ANALYSIS VOLUME.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

GEORGIA

1997 IMPORTS AND EXPORTS

21 QUANTITY OF RCRA HAZARDOUS WASTE IMPORTED: 17,983 TONS

22 QUANTITY OF RCRA HAZARDOUS WASTE EXPORTED: 249,910 TONS

NOTE: CBI DATA HAS BEEN EXCLUDED FROM THE STATE DETAIL ANALYSIS VOLUME.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

GUAM

1997 WASTE GENERATION

1 NUMBER OF RCRA LARGE QUANTITY GENERATORS (LQGS): **8**

2 QUANTITY OF RCRA HAZARDOUS WASTE GENERATED: **412 TONS**

3 FIFTY LARGEST RCRA HAZARDOUS WASTE GENERATORS IN THE STATE, 1997

RANK	EPA ID	SITE NAME	CITY	TOTAL GENERATED (TONS)
----	-----	-----	----	-----
1	GU4170090027	US FLEET INDUSTRIAL SUPPLY CENTER	FPO	158
2	GU5170022680	USNAVY PUBLIC WORKS CENTER, GUAM	COMNAVMAR	104
3	GU4170090001	USNAVY PUBLIC WORKS GUAM	PITI	53
4	GU4170027334	USNAVY NAVAL SHIP REPAIR FACILITY, GUAM	SUMAY	41
5	GU7170027323	USNAVY COMMANDER NAVAL FORCES	SANTA RITA	28
6	GU6571999519	USAF ANDERSEN AIR FORCE BASE	YIGO	24
7	GU0170090021	USNAVY NCTAMS WESTPAC	101 FPO AP	4
8	GUD982469462	GUAM MEMORIAL HOSPITAL AUTHORITY	TAMUNING	0
TOTAL				412

NOTE: STATE MAY HAVE FEWER THAN FIFTY GENERATORS.
 GENERATORS WITH ZERO QUANTITY GENERATED ARE EXCLUDED.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

GUAM

1997 WASTE GENERATION, CONTINUED

4 QUANTITIES OF WASTE GENERATED IN 1997 THAT WERE

- REPORTED WITH ONLY CHARACTERISTIC WASTE CODES
 - REPORTED WITH ONLY LISTED WASTE CODES
 - REPORTED WITH BOTH CHARACTERISTIC AND LISTED WASTE CODES

WASTE HAS ONLY CHARACTERISTIC CODES	TONS OF WASTE GENERATED	WASTE HAS ONLY LISTED CODES	TONS OF WASTE GENERATED	WASTE HAS BOTH CHARACTERISTIC AND LISTED CODES	TONS OF WASTE GENERATED
ONLY IGNITABLE	174	ONLY AN F CODE	21		
ONLY CORROSIVE	4	ONLY A K CODE	0		
ONLY REACTIVE	1	ONLY A P CODE	0		
ONLY D004-17	108	ONLY A U CODE	6		
ONLY D018-43	3				
HAS MORE THAN ONE CHARACTERISTIC CODE	88	HAS MORE THAN ONE LISTED CODE	0		
TOTAL	378	TOTAL	27	BOTH CHARACTERISTIC & LISTED	7

5 QUANTITIES OF WASTE GENERATED IN 1997 THAT WERE MULTIPLY CODED

WASTE HAS ONLY CHARACTERISTIC CODES BUT MORE THAN ONE APPLIES	TONS OF WASTE GENERATED	ONLY LISTED CODES BUT HAS MORE THAN ONE	TONS OF WASTE GENERATED	BOTH CHAR, AND LISTED CODES	TONS OF WASTE GENERATED
HAS IGNITABLE CODE	82			IGN. W/ AT LEAST 1 LSTD	1
HAS CORROSIVE CODE	7			CORR. W/ AT LEAST 1 LSTD	0
HAS REACTIVE CODE	30			REACT. W/ AT LEAST 1 LSTD	1
HAS D004-D017 CODE	74			D004-17 W/ AT LEAST 1 LSTD	6
HAS D018-D043 CODE	22			D018-43 W/ AT LEAST 1 LSTD	0
		HAS AN F CODE	0	F WASTE W/ AT LEAST 1 CHAR	6
		HAS A K CODE	0	K WASTE W/ AT LEAST 1 CHAR	0
		HAS A P CODE	0	P WASTE W/ AT LEAST 1 CHAR	0
		HAS A U CODE	0	U WASTE W/ AT LEAST 1 CHAR	1
TOTAL	88	TOTAL	0	TOTAL	7

NOTE: COLUMNS DO NOT SUM TO TOTAL BECAUSE A WASTE CODE MAY APPLY TO MORE THAN ONE WASTE.
 MIXTURES WITH IGNITABLE, CORROSIVE, REACTIVE, D004-17, AND D018-43 CHARACTERISTIC CODES ALSO MAY
 CONTAIN OTHER CHARACTERISTIC WASTE CODES.
 SIMILARLY, WASTES WITH F,K,P, AND U LISTED CODES MAY HAVE OTHER LISTED WASTE CODES.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

GUAM

1997 WASTE MANAGEMENT

6 NUMBER OF RCRA TSD FACILITIES: 1

7 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED: 0 TONS

TABLES 8, 9, 10 AND 11 HAVE BEEN OMITTED FROM THIS REPORT BECAUSE THERE WERE NO FACILITIES IN GUAM THAT REPORTED MANAGING RCRA HAZARDOUS WASTE IN 1997 OTHER THAN AS A STORAGE ONLY FACILITY.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

GUAM

1997 WASTE SHIPMENTS

12 NUMBER OF RCRA HAZARDOUS WASTE SHIPPERS: 7

13 QUANTITY OF RCRA HAZARDOUS WASTE SHIPPED: 302 TONS

14 FIFTY LARGEST RCRA HAZARDOUS WASTE SHIPPERS, 1997

RANK	EPA ID	SITE NAME	CITY	QUANTITY SHIPPED (TONS)
----	-----	-----	----	-----
1	GU4170090027	US FLEET INDUSTRIAL SUPPLY CENTER	FPO	158
2	GU4170090001	USNAVY PUBLIC WORKS GUAM	PITI	48
3	GU4170027334	USNAVY NAVAL SHIP REPAIR FACILITY, GUAM	SUMAY	40
4	GU7170027323	USNAVY COMMANDER NAVAL FORCES	SANTA RITA	28
5	GU6571999519	USAF ANDERSEN AIR FORCE BASE	YIGO	24
6	GU0170090021	USNAVY NCTAMS WESTPAC	101 FPO AP	4
7	GUD982469462	GUAM MEMORIAL HOSPITAL AUTHORITY	TAMUNING	0
TOTAL				302

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY SHIPPERS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

GUAM

1997 WASTE RECEIPTS

TABLES 16, 17, 18, 19, 20, AND 21 HAVE BEEN OMITTED FROM THIS REPORT BECAUSE THERE WERE NO FACILITIES IN GUAM THAT REPORTED RECEIVING RCRA HAZARDOUS WASTE IN 1997.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

GUAM

1997 IMPORTS AND EXPORTS

21 QUANTITY OF RCRA HAZARDOUS WASTE IMPORTED: 0 TONS

22 QUANTITY OF RCRA HAZARDOUS WASTE EXPORTED: 14 TONS

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

HAWAII

1997 WASTE GENERATION

1 NUMBER OF RCRA LARGE QUANTITY GENERATORS (LQGS): 41

2 QUANTITY OF RCRA HAZARDOUS WASTE GENERATED: 7,241 TONS

3 FIFTY LARGEST RCRA HAZARDOUS WASTE GENERATORS IN THE STATE, 1997

RANK	EPA ID	SITE NAME	CITY	TOTAL GENERATED (TONS)
1	HID066272360	GAS CO THE	KAPOLEI	6,249
2	HID056786395	BHP PETROLEUM AMERICAS REFINING INC	KAPOLEI	279
3	HI9170090006	USNAVY NAVAL MAGAZINE LUALUALEI	EWA BEACH	115
4	HIT160010005	CHEVRON PRODUCTS CO. - HAWAII REFINERY	KAPOLEI	92
5	HI3170024340	USNAVY SUBASE PEARL HARBOR	PEARL HARBOR	62
6	HI6170022762	USMC COMMANDING GENERAL LEHH KANEOHE BAY	KANEOHE BAY	56
7	HI4170090001	USNAVY FLEET AND INDUSTRIAL SUPPLY CTR	PEARL HARBOR	51
8	HI6170024339	USNAVY PEARL HARBOR SHIPYARD	PEARL HARBOR	48
9	HI8570028722	USAF - HICKAM AFB HI	HICKAM AFB	37
10	HI0000449199	USNAVY PWC PEARL FORD ISLAND/RICHARDSON	PEARL HARBOR	35
11	HI1170024334	USNAVY PWC, PEARL HARBOR NAVAL COMPLEX	PEARL HARBOR	35
12	HIR000000810	HAWAII STATE OF DOH HEER	HONOLULU	28
13	HI8690390036	USCG ISC HONOLULU	HONOLULU	26
14	HI1170024342	USNAVY FLEET AND INDUSTRIAL SUPPLY	PEARL HARBOR	17
15	HID157773284	QUEENS MEDICAL CENTER	HONOLULU	15
16	HI3210022239	USARMY SCHOFIELD BARRACKS	SCHOFIELD BARRACKS	14
17	HID980735443	BHP PETROLEUM AMERICAS REFINING INC	HONOLULU	12
18	HI0170090005	USNAVY PWC PEARL MAKALAPA COMPOUND	PEARL HARBOR	9
19	HI9210022241	USARMY TRIPLER MEDICAL CENTER	TRIPLER ARMY MEDICAL CTR	8
20	HI1170024326	USNAVY NAS BARBERS POINT	BARBERS POINT	7
21	HID087190542	UNIVERSITY OF HAWAII	HONOLULU	6
22	HID981616469	KAMEHAMEHA SCHOOLS	HONOLULU	6
23	HID059472357	BREWER CHEM CORP	HONOLULU	5
24	HIR0000000224	COSTCO WHOLESALE #11	HONOLULU	4
25	HI6170024719	USNAVY PACIFIC MISSILE RANGE FACILITY	KEKAHA	4
26	HI0000880542	COSTCO WHOLESALE #120	HONOLULU	3
27	HI6170024388	USNAVY COMPUTER AND TELECOMMUNICATIONS	WAIHAWA	3
28	HIR0000000067	COSTCO WHOLESALE #119	KAHALUI, MAUI	3
29	HID009198797	HONOLULU WOOD TREATING CO LTD	KAPOLEI	2
30	HI8170090015	USNAVY MAGAZINE LUALUALEI HQ BRANCH	WAIANAE	2
31	HIP000033894	USMC COMMANDING GENERAL LEHH KANEOHE BAY	PEARL CITY	2
32	HI1170090004	USNAVY PWC BARBERS POINT	BARBERS POINT	2
33	HID982025561	HAWAIIAN AIRLINES INC	HONOLULU	2
34	HIR0000000232	COSTCO WHOLESALE #140	KALUA KONA	1
35	HI0000243618	USARMY GARRISON SCHOFIELD BARRACKS	SCHOFIELD BARRACKS	1
36	HID000633081	TOSCO HONOLULU TERMINAL	HONOLULU	0
37	HI3570028719	USAF - BELLOWS AFS HI	WAIMANALO	0

TOTAL

7,241

NOTE: STATE MAY HAVE FEWER THAN FIFTY GENERATORS.
GENERATORS WITH ZERO QUANTITY GENERATED ARE EXCLUDED.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

HAWAII

1997 WASTE GENERATION, CONTINUED

4 QUANTITIES OF WASTE GENERATED IN 1997 THAT WERE

- REPORTED WITH ONLY CHARACTERISTIC WASTE CODES
 - REPORTED WITH ONLY LISTED WASTE CODES
 - REPORTED WITH BOTH CHARACTERISTIC AND LISTED WASTE CODES

WASTE HAS ONLY CHARACTERISTIC CODES	TONS OF WASTE GENERATED	WASTE HAS ONLY LISTED CODES	TONS OF WASTE GENERATED	WASTE HAS BOTH CHARACTERISTIC AND LISTED CODES	TONS OF WASTE GENERATED
ONLY IGNITABLE	80	ONLY AN F CODE	93		
ONLY CORROSIVE	6,253	ONLY A K CODE	74		
ONLY REACTIVE	0	ONLY A P CODE	0		
ONLY D004-17	259	ONLY A U CODE	0		
ONLY D018-43	184				
HAS MORE THAN ONE CHARACTERISTIC CODE	266	HAS MORE THAN ONE LISTED CODE	0		
TOTAL	7,041	TOTAL	167	BOTH CHARACTERISTIC & LISTED	33

5 QUANTITIES OF WASTE GENERATED IN 1997 THAT WERE MULTIPLY CODED

WASTE HAS ONLY CHARACTERISTIC CODES BUT MORE THAN ONE APPLIES	TONS OF WASTE GENERATED	ONLY LISTED CODES BUT HAS MORE THAN ONE	TONS OF WASTE GENERATED	BOTH CHAR, AND LISTED CODES	TONS OF WASTE GENERATED
HAS IGNITABLE CODE	252			IGN. W/ AT LEAST 1 LSTD	16
HAS CORROSIVE CODE	19			CORR. W/ AT LEAST 1 LSTD	0
HAS REACTIVE CODE	175			REACT. W/ AT LEAST 1 LSTD	3
HAS D004-D017 CODE	187			D004-17 W/ AT LEAST 1 LSTD	8
HAS D018-D043 CODE	50			D018-43 W/ AT LEAST 1 LSTD	21
		HAS AN F CODE	0	F WASTE W/ AT LEAST 1 CHAR	27
		HAS A K CODE	0	K WASTE W/ AT LEAST 1 CHAR	9
		HAS A P CODE	0	P WASTE W/ AT LEAST 1 CHAR	0
		HAS A U CODE	0	U WASTE W/ AT LEAST 1 CHAR	6
TOTAL	266	TOTAL	0	TOTAL	33

NOTE: COLUMNS DO NOT SUM TO TOTAL BECAUSE A WASTE CODE MAY APPLY TO MORE THAN ONE WASTE.
 MIXTURES WITH IGNITABLE, CORROSIVE, REACTIVE, D004-17, AND D018-43 CHARACTERISTIC CODES ALSO MAY
 CONTAIN OTHER CHARACTERISTIC WASTE CODES.
 SIMILARLY, WASTES WITH F,K,P, AND U LISTED CODES MAY HAVE OTHER LISTED WASTE CODES.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

HAWAII

1997 WASTE MANAGEMENT

6 NUMBER OF RCRA TSD FACILITIES: 3

7 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED: 99 TONS

8 FIFTY LARGEST RCRA HAZARDOUS WASTE MANAGEMENT FACILITIES, 1997

RANK	EPA ID	SITE NAME	CITY	TONS OF WASTE MANAGED
----	-----	-----	----	-----
1	HIT000603514	UNITEK ENVIRONMENTAL SERVICES, INC.	KAPOLEI	99
TOTAL				99

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
 STATE MAY HAVE FEWER THAN FIFTY FACILITIES THAT MANAGED WASTE.
 FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

HAWAII

1997 WASTE MANAGEMENT, CONTINUED

9 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY MANAGEMENT METHOD, 1997

MANAGEMENT METHOD -----	SYSTEM TYPE CODE -----	QUANTITY MANAGED (TONS) -----	PERCENTAGE OF QUANTITY -----	NUMBER OF FACILITIES -----	PERCENTAGE OF FACILITIES -----
SOLVENTS RECOVERY	M021-M029	99	100.0	1	100.0
TOTAL		99	100.0	1	

10 MANAGEMENT METHOD, BY QUANTITY OF RCRA HAZARDOUS WASTE MANAGED, 1997

MANAGEMENT METHOD -----	SYSTEM TYPE CODE -----	QUANTITY MANAGED (TONS) -----	PERCENTAGE OF QUANTITY -----	NUMBER OF FACILITIES -----	PERCENTAGE OF FACILITIES -----
SOLVENTS RECOVERY	M021-M029	99	100.0	1	100.0
TOTAL		99	100.0	1	

11 MANAGEMENT METHOD AND QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY NUMBER OF FACILITIES, 1997

MANAGEMENT METHOD -----	SYSTEM TYPE CODE -----	QUANTITY MANAGED (TONS) -----	PERCENTAGE OF QUANTITY -----	NUMBER OF FACILITIES -----	PERCENTAGE OF FACILITIES -----
SOLVENTS RECOVERY	M021-M029	99	100.0	1	100.0
TOTAL		99	100.0	1	

NOTE: FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.
 COLUMNS MAY NOT SUM DUE TO ROUNDING.
 COLUMNS MAY NOT SUM TO TOTAL BECAUSE FACILITIES MAY HAVE MULTIPLE HANDLING METHODS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

HAWAII

1997 WASTE SHIPMENTS

12 NUMBER OF RCRA HAZARDOUS WASTE SHIPPERS: 34

13 QUANTITY OF RCRA HAZARDOUS WASTE SHIPPED: 2,548 TONS

14 FIFTY LARGEST RCRA HAZARDOUS WASTE SHIPPERS, 1997

RANK	EPA ID	SITE NAME	CITY	QUANTITY SHIPPED (TONS)
----	-----	-----	----	-----
1	HIT000603514	UNITEK ENVIRONMENTAL SERVICES, INC.	KAPOLEI	1,368
2	HID056786395	BHP PETROLEUM AMERICAS REFINING INC	KAPOLEI	279
3	HI1170024334	USNAVY PWC, PEARL HARBOR NAVAL COMPLEX	PEARL HARBOR	235
4	HI9170090006	USNAVY NAVAL MAGAZINE LUALUALEI	EWA BEACH	114
5	HIT160010005	CHEVRON PRODUCTS CO. - HAWAII REFINERY	KAPOLEI	92
6	HI3170024340	USNAVY SUBASE PEARL HARBOR	PEARL HARBOR	62
7	HI6170022762	USMC COMMANDING GENERAL LEHH KANEOHE BAY	KANEOHE BAY	56
8	HI4170090001	USNAVY FLEET AND INDUSTRIAL SUPPLY CTR	PEARL HARBOR	51
9	HI6170024339	USNAVY PEARL HARBOR SHIPYARD	PEARL HARBOR	42
10	HI8570028722	USAF - HICKAM AFB HI	HICKAM AFB	37
11	HI0000449199	USNAVY PWC PEARL FORD ISLAND/RICHARDSON	PEARL HARBOR	37
12	HIR000000810	HAWAII STATE OF DOH HEER	HONOLULU	28
13	HI8690390036	USCG ISC HONOLULU	HONOLULU	25
14	HI1170024342	USNAVY FLEET AND INDUSTRIAL SUPPLY	PEARL HARBOR	17
15	HID157773284	QUEENS MEDICAL CENTER	HONOLULU	15
16	HI3210022239	USARMY SCHOFIELD BARRACKS	SCHOFIELD BARRACKS	14
17	HID980735443	BHP PETROLEUM AMERICAS REFINING INC	HONOLULU	12
18	HI0170090005	USNAVY PWC PEARL MAKALAPA COMPOUND	PEARL HARBOR	9
19	HI9210022241	USARMY TRIPLER MEDICAL CENTER	TRIPLER ARMY MEDICAL CTR	8
20	HI1170024326	USNAVY NAS BARBERS POINT	BARBERS POINT	7
21	HID981616469	KAMEHAMEHA SCHOOLS	HONOLULU	6
22	HID066272360	GAS CO THE	KAPOLEI	5
23	HID059472357	BREWER CHEM CORP	HONOLULU	5
24	HID087190542	UNIVERSITY OF HAWAII	HONOLULU	4
25	HI6170024719	USNAVY PACIFIC MISSILE RANGE FACILITY	KEKAHA	4
26	HID009198797	HONOLULU WOOD TREATING CO LTD	KAPOLEI	4
27	HI6170024388	USNAVY COMPUTER AND TELECOMMUNICATIONS	WAIHAWA	3
28	HI8170090015	USNAVY MAGAZINE LUALUALEI HQ BRANCH	WAIANAE	2
29	HIP000033894	USMC COMMANDING GENERAL LEHH KANEOHE BAY	PEARL CITY	2
30	HID982025561	HAWAIIAN AIRLINES INC	HONOLULU	2
31	HI1170090004	USNAVY PWC BARBERS POINT	BARBERS POINT	2
32	HI0000243618	USARMY GARRISON SCHOFIELD BARRACKS	SCHOFIELD BARRACKS	1
33	HID000633081	TOSCO HONOLULU TERMINAL	HONOLULU	0
34	HI3570028719	USAF - BELLOWS AFS HI	WAIMANALO	0
TOTAL				2,548

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY SHIPPERS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

HAWAII

1997 WASTE RECEIPTS

15 NUMBER OF RCRA HAZARDOUS WASTE RECEIVERS: 2

16 QUANTITY OF RCRA HAZARDOUS WASTE RECEIVED: 525 TONS

17 FIFTY LARGEST RCRA HAZARDOUS WASTE RECEIVERS, 1997

RANK	EPA ID	SITE NAME	CITY	QUANTITY RECEIVED (TONS)
----	-----	-----	----	-----
1	HIT000603514	UNITEK ENVIRONMENTAL SERVICES, INC.	KAPOLEI	324
2	HI1170024334	USNAVY PWC, PEARL HARBOR NAVAL COMPLEX	PEARL HARBOR	201
TOTAL				525

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY FACILITIES THAT RECEIVED WASTE.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

HAWAII

1997 WASTE RECEIPTS, CONTINUED

18 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY MANAGEMENT METHOD,
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997

MANAGEMENT METHOD -----	SYSTEM TYPE CODE -----	QUANTITY MANAGED (TONS) -----	PERCENTAGE OF QUANTITY -----	NUMBER OF FACILITIES -----	PERCENTAGE OF FACILITIES -----
SOLVENTS RECOVERY	M021-M029	99	100.0	1	100.0
TOTAL		99	100.0	1	

19 MANAGEMENT METHOD, BY QUANTITY OF RCRA HAZARDOUS WASTE MANAGED
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997

MANAGEMENT METHOD -----	SYSTEM TYPE CODE -----	QUANTITY MANAGED (TONS) -----	PERCENTAGE OF QUANTITY -----	NUMBER OF FACILITIES -----	PERCENTAGE OF FACILITIES -----
SOLVENTS RECOVERY	M021-M029	99	100.0	1	100.0
TOTAL		99	100.0	1	

20 MANAGEMENT METHOD AND QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY NUMBER OF FACILITIES,
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997

MANAGEMENT METHOD -----	SYSTEM TYPE CODE -----	QUANTITY MANAGED (TONS) -----	PERCENTAGE OF QUANTITY -----	NUMBER OF FACILITIES -----	PERCENTAGE OF FACILITIES -----
SOLVENTS RECOVERY	M021-M029	99	100.0	1	100.0
TOTAL		99	100.0	1	

NOTE: FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.
COLUMNS MAY NOT SUM DUE TO ROUNDING.
COLUMNS MAY NOT SUM TO TOTAL BECAUSE FACILITIES MAY HAVE MULTIPLE HANDLING METHODS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

HAWAII

1997 IMPORTS AND EXPORTS

21 QUANTITY OF RCRA HAZARDOUS WASTE IMPORTED: 23 TONS

22 QUANTITY OF RCRA HAZARDOUS WASTE EXPORTED: 2,210 TONS

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

IDAHO

1997 WASTE GENERATION

1 NUMBER OF RCRA LARGE QUANTITY GENERATORS (LQGS): 48

2 QUANTITY OF RCRA HAZARDOUS WASTE GENERATED: 1,014,825 TONS

3 FIFTY LARGEST RCRA HAZARDOUS WASTE GENERATORS IN THE STATE, 1997

RANK	EPA ID	SITE NAME	CITY	TOTAL GENERATED (TONS)
1	IDD070929518	FMC CORP PHOSPHORUS CHEMICALS	POCATELLO	1,010,394
2	ID4890008952	US DOE ID NATIONAL ENVIRO & ENGINEERING	SCOVILLE	1,005
3	IDD073114654	ENVIROSAFE SERVICES OF IDAHO, INC SITE B	GRAND VIEW	675
4	IDD093120871	MICRON TECHNOLOGY, INC.	BOISE	661
5	IDD009066481	BLOUNT INC-SEG-CCI OPERATION	LEWISTON	556
6	IDR000002295	WAREMART CONSTRUCTION	BOISE	450
7	ID0000285106	HARPERS INC	POST FALLS	341
8	IDD053798104	AMERICAN MICROSYSTEMS LOC INC	POCATELLO	158
9	IDD980835995	ADVANCED INPUT DEVICES-PRIEST RIVER	PRIEST RIVER	98
10	IDD097762231	ZILOG INC. - NB1	NAMPA	80
11	IDD000757013	SIMPLLOT SOILBUILDERS-SHELLEY SITE	SHELLEY	57
12	IDR000001008	BUNKER HILL INDUSTRIAL COMPLEX	KELLOGG	56
13	IDD984669424	BLOUNT INC SOUTHPORT OPERATION	LEWISTON	49
14	ID0000309583	ZILOG INC. - NB2	NAMPA	47
15	ID3572124557	USAF MOUNTAIN HOME BASE	MOUNTAIN HOME AFB	37
16	IDD113391775	IDAHO CIRCUIT TECHNOLOGY	GLENNS FERRY	23
17	IDD984666669	BLOUNT INC SEG SPEER OPERATION	LEWISTON	17
18	IDD980976831	BOISE LOCOMOTIVE COMPANY	BOISE	16
19	IDD990727471	HEWLETT PACKARD	BOISE	12
20	IDD113392880	VAN WATERS & ROGERS NAMPA	NAMPA	10
21	IDR000002550	LAPWAI SCH DIST PHINNEY BLDG	LAPWAI	9
22	IDD075746271	UNIVERSITY OF IDAHO	MOSCOW	8
23	IDR000002709	JACKLIN SEED COMPANY	NEZPERCE	8
24	IDD009061375	POTLATCH CORP	LEWISTON	7
25	IDD000641944	BOISE TERMINAL& STATION-CHEVRON PIPELINE	BOISE	6
26	IDD037780186	LYNN INDUSTRIAL COATING	BOISE	5
27	IDR000002667	BURLINGTON N & SANTA FE RR	SPIRIT LAKE	5
28	IDR000000109	ID ST OF DEPT OF AG CALDWELL IDOT	CALDWELL	4
29	IDR000002477	USEPA CLEANUP EASTERN IDAHO FLOODS	IDAHO FALLS	4
30	IDR000002279	ADA COUNTY RISK MANAGEMENT	BOISE	4
31	IDD984674622	IDAHO STATE DEPT. OF AG. E ID	BLACKFOOT	4
32	IDD009062597	L D MCFARLAND CO	SANDPOINT	3
33	IDR000002469	USDA FS CHALLIS RANGER DIST	CHALLIS	2
34	IDR000002253	ID ST DEPT OF AG LATAH COFG	MOSCOW	2
35	IDD984675124	IDAHO STATE DEPT. OF AG-JERO	JEROME	2
36	IDR000001578	UTAH POWER & LIGHT RIGBY	RIGBY	2
37	ID0000309484	ID ST OF DEPT OF AG LEWISTON NP COFG	LEWISTON	2
38	IDD000467274	SIMPLLOT SOILBUILDERS-WILDER	WILDER	1
39	IDR000002311	JEROME COUNTY EMS	JEROME	1
40	IDR000002238	IDAHO ST DEPT OF AG BOUNDARY COFG	BONNERS FERRY	1
41	IDR000002261	IDAHO ST DEPT OF AG PLANT IN LAB	BOISE	1
42	ID0000312926	IDAHO STATE OF DEPT OF AG CDA TRANS STA	COEUR D ALENE	1
43	IDR000000257	YMC MECH INC MICRON TECHNOLOGY CONSTRUCT	BOISE	1
44	IDR000002386	ID ST DEPT. OF AG. GOODING	GOODING	0
45	IDR000002246	IDAHO ST DEPT OF AG GRANGEV IDOT	GRANGEVILLE	0
TOTAL				1,014,825

NOTE: STATE MAY HAVE FEWER THAN FIFTY GENERATORS.
GENERATORS WITH ZERO QUANTITY GENERATED ARE EXCLUDED.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

IDAHO

1997 WASTE GENERATION, CONTINUED

4 QUANTITIES OF WASTE GENERATED IN 1997 THAT WERE

- REPORTED WITH ONLY CHARACTERISTIC WASTE CODES
- REPORTED WITH ONLY LISTED WASTE CODES
- REPORTED WITH BOTH CHARACTERISTIC AND LISTED WASTE CODES

WASTE HAS ONLY CHARACTERISTIC CODES	TONS OF WASTE GENERATED	WASTE HAS ONLY LISTED CODES	TONS OF WASTE GENERATED	WASTE HAS BOTH CHARACTERISTIC AND LISTED CODES	TONS OF WASTE GENERATED
ONLY IGNITABLE	166	ONLY AN F CODE	1,219		
ONLY CORROSIVE	30	ONLY A K CODE	65		
ONLY REACTIVE	619,674	ONLY A P CODE	59		
ONLY D004-17	543	ONLY A U CODE	14		
ONLY D018-43	29				
HAS MORE THAN ONE CHARACTERISTIC CODE	391,155	HAS MORE THAN ONE LISTED CODE	2		
TOTAL	1,011,598	TOTAL	1,359	BOTH CHARACTERISTIC & LISTED	1,866

5 QUANTITIES OF WASTE GENERATED IN 1997 THAT WERE MULTIPLY CODED

WASTE HAS ONLY CHARACTERISTIC CODES BUT MORE THAN ONE APPLIES	TONS OF WASTE GENERATED	ONLY LISTED CODES BUT HAS MORE THAN ONE	TONS OF WASTE GENERATED	BOTH CHAR, AND LISTED CODES	TONS OF WASTE GENERATED
HAS IGNITABLE CODE	190,481			IGN. W/ AT LEAST 1 LSTD	1,084
HAS CORROSIVE CODE	60			CORR. W/ AT LEAST 1 LSTD	377
HAS REACTIVE CODE	391,025			REACT. W/ AT LEAST 1 LSTD	8
HAS D004-D017 CODE	390,789			D004-17 W/ AT LEAST 1 LSTD	1,125
HAS D018-D043 CODE	60			D018-43 W/ AT LEAST 1 LSTD	876
		HAS AN F CODE	0	F WASTE W/ AT LEAST 1 CHAR	1,852
		HAS A K CODE	0	K WASTE W/ AT LEAST 1 CHAR	0
		HAS A P CODE	2	P WASTE W/ AT LEAST 1 CHAR	387
		HAS A U CODE	2	U WASTE W/ AT LEAST 1 CHAR	401
TOTAL	391,155	TOTAL	2	TOTAL	1,866

NOTE: COLUMNS DO NOT SUM TO TOTAL BECAUSE A WASTE CODE MAY APPLY TO MORE THAN ONE WASTE.
 MIXTURES WITH IGNITABLE, CORROSIVE, REACTIVE, D004-17, AND D018-43 CHARACTERISTIC CODES ALSO MAY
 CONTAIN OTHER CHARACTERISTIC WASTE CODES.
 SIMILARLY, WASTES WITH F,K,P, AND U LISTED CODES MAY HAVE OTHER LISTED WASTE CODES.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

IDAHO

1997 WASTE MANAGEMENT

6 NUMBER OF RCRA TSD FACILITIES: 7

7 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED: 1,093,366 TONS

8 FIFTY LARGEST RCRA HAZARDOUS WASTE MANAGEMENT FACILITIES, 1997

RANK	EPA ID	SITE NAME	CITY	TONS OF WASTE MANAGED
----	-----	-----	----	-----
1	IDD070929518	FMC CORP PHOSPHORUS CHEMICALS	POCATELLO	1,010,329
2	IDD073114654	ENVIROSAFE SERVICES OF IDAHO, INC SITE B	GRAND VIEW	83,014
3	ID4890008952	US DOE ID NATIONAL ENVIRO & ENGINEERING	SCOVILLE	23
4	IDD980976831	BOISE LOCOMOTIVE COMPANY	BOISE	1
TOTAL				1,093,366

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
 STATE MAY HAVE FEWER THAN FIFTY FACILITIES THAT MANAGED WASTE.
 FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

IDAHO

1997 WASTE MANAGEMENT, CONTINUED

9 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY MANAGEMENT METHOD, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
SOLVENTS RECOVERY	M021-M029	9	.0	2	50.0
INCINERATION	M041-M049	10	.0	1	25.0
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	0	.0	1	25.0
STABILIZATION	M111-M119	79,436	7.3	2	50.0
LANDFILL	M132	2,298	.2	1	25.0
SURFACE IMPOUNDMENT	M133	1,011,613	92.5	2	50.0
TOTAL		1,093,366	100.0	4	

10 MANAGEMENT METHOD, BY QUANTITY OF RCRA HAZARDOUS WASTE MANAGED, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
SURFACE IMPOUNDMENT	M133	1,011,613	92.5	2	50.0
STABILIZATION	M111-M119	79,436	7.3	2	50.0
LANDFILL	M132	2,298	.2	1	25.0
INCINERATION	M041-M049	10	.0	1	25.0
SOLVENTS RECOVERY	M021-M029	9	.0	2	50.0
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	0	.0	1	25.0
TOTAL		1,093,366	100.0	4	

11 MANAGEMENT METHOD AND QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY NUMBER OF FACILITIES, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
SURFACE IMPOUNDMENT	M133	1,011,613	92.5	2	50.0
SOLVENTS RECOVERY	M021-M029	9	.0	2	50.0
STABILIZATION	M111-M119	79,436	7.3	2	50.0
LANDFILL	M132	2,298	.2	1	25.0
INCINERATION	M041-M049	10	.0	1	25.0
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	0	.0	1	25.0
TOTAL		1,093,366	100.0	4	

NOTE: FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.
COLUMNS MAY NOT SUM DUE TO ROUNDING.
COLUMNS MAY NOT SUM TO TOTAL BECAUSE FACILITIES MAY HAVE MULTIPLE HANDLING METHODS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

IDAHO

1997 WASTE SHIPMENTS

12 NUMBER OF RCRA HAZARDOUS WASTE SHIPPERS: 45

13 QUANTITY OF RCRA HAZARDOUS WASTE SHIPPED: 2,845 TONS

14 FIFTY LARGEST RCRA HAZARDOUS WASTE SHIPPERS, 1997

RANK	EPA ID	SITE NAME	CITY	QUANTITY SHIPPED (TONS)
----	-----	-----	----	-----
1	IDD093120871	MICRON TECHNOLOGY, INC.	BOISE	616
2	IDD009066481	BLOUNT INC-SEG-CCI OPERATION	LEWISTON	553
3	IDD981770498	SAFETY-KLEEN CORP-BOISE	BOISE	360
4	ID0000285106	HARPERS INC	POST FALLS	341
5	ID4890008952	US DOE ID NATIONAL ENVIRO & ENGINEERING	SCOVILLE	165
6	IDD053798104	AMERICAN MICROSYSTEMS LOC INC	POCATELLO	164
7	IDD980835995	ADVANCED INPUT DEVICES-PRIEST RIVER	PRIEST RIVER	97
8	IDD097762231	ZILOG INC. - NB1	NAMPA	72
9	IDD070929518	FMC CORP PHOSPHORUS CHEMICALS	POCATELLO	66
10	IDD000757013	SIMPLOT SOILBUILDERS-SHELLEY SITE	SHELLEY	57
11	IDR0000001008	BUNKER HILL INDUSTRIAL COMPLEX	KELLOGG	56
12	ID0000309583	ZILOG INC. - NB2	NAMPA	50
13	IDD984669424	BLOUNT INC SOUTHPORT OPERATION	LEWISTON	50
14	ID3572124557	USAF MOUNTAIN HOME BASE	MOUNTAIN HOME AFB	37
15	IDD113391775	IDAHO CIRCUIT TECHNOLOGY	GLENNS FERRY	25
16	IDD984666669	BLOUNT INC SEG SPEER OPERATION	LEWISTON	18
17	IDD980976831	BOISE LOCOMOTIVE COMPANY	BOISE	17
18	IDD990727471	HEWLETT PACKARD	BOISE	12
19	IDD113392880	VAN WATERS & ROGERS NAMPA	NAMPA	10
20	IDR0000002550	LAPWAI SCH DIST PHINNEY BLDG	LAPWAI	9
21	IDD075746271	UNIVERSITY OF IDAHO	MOSCOW	8
22	IDR0000002709	JACKLIN SEED COMPANY	NEZPERCE	8
23	IDD009061375	POTLATCH CORP	LEWISTON	7
24	IDD037780186	LYNN INDUSTRIAL COATING	BOISE	7
25	IDD000641944	BOISE TERMINAL& STATION-CHEVRON PIPELINE	BOISE	4
26	IDR0000000109	ID ST OF DEPT OF AG CALDWELL IDOT	CALDWELL	4
27	IDR0000002477	USEPA CLEANUP EASTERN IDAHO FLOODS	IDAHO FALLS	4
28	IDR0000002279	ADA COUNTY RISK MANAGEMENT	BOISE	4
29	IDD984674622	IDAHO STATE DEPT. OF AG. E ID	BLACKFOOT	4
30	IDD009062597	L D MCFARLAND CO	SANDPOINT	3
31	IDR0000002253	ID ST DEPT OF AG LATAH COFG	MOSCOW	2
32	IDR0000002469	USDA FS CHALLIS RANGER DIST	CHALLIS	2
33	IDD984675124	IDAHO STATE DEPT. OF AG-JERO	JEROME	2
34	IDR0000001578	UTAH POWER & LIGHT RIGBY	RIGBY	2
35	ID0000309484	ID ST OF DEPT OF AG LEWISTON NP COFG	LEWISTON	2
36	IDD000467274	SIMPLOT SOILBUILDERS-WILDER	WILDER	1
37	IDR0000002311	JEROME COUNTY EMS	JEROME	1
38	IDR0000002238	IDAHO ST DEPT OF AG BOUNDARY COFG	BONNERS FERRY	1
39	IDR0000002261	IDAHO ST DEPT OF AG PLANT IN LAB	BOISE	1
40	ID0000312926	IDAHO STATE OF DEPT OF AG CDA TRANS STA	COEUR D ALENE	1
41	IDD073114654	ENVIROSAFE SERVICES OF IDAHO, INC SITE B	GRAND VIEW	1
42	IDR0000000257	YMC MECH INC MICRON TECHNOLOGY CONSTRUCT	BOISE	1
43	IDD000602631	PACIFICORP	IDAHO FALLS	0
44	IDR0000002386	ID ST DEPT. OF AG. GOODING	GOODING	0
45	IDR0000002246	IDAHO ST DEPT OF AG GRANGEV IDOT	GRANGEVILLE	0

TOTAL

2,845

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY SHIPPERS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

IDAHO

1997 WASTE RECEIPTS

15 NUMBER OF RCRA HAZARDOUS WASTE RECEIVERS: **3**

16 QUANTITY OF RCRA HAZARDOUS WASTE RECEIVED: **82,019 TONS**

17 FIFTY LARGEST RCRA HAZARDOUS WASTE RECEIVERS, 1997

RANK	EPA ID	SITE NAME	CITY	QUANTITY RECEIVED (TONS)
----	-----	-----	----	-----
1	IDD073114654	ENVIROSAFE SERVICES OF IDAHO, INC SITE B	GRAND VIEW	81,713
2	IDD981770498	SAFETY-KLEEN CORP-BOISE	BOISE	300
3	ID4890008952	US DOE ID NATIONAL ENVIRO & ENGINEERING	SCOVILLE	6
TOTAL				82,019

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY FACILITIES THAT RECEIVED WASTE.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

IDAHO

1997 WASTE RECEIPTS, CONTINUED

18 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY MANAGEMENT METHOD,
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
INCINERATION	M041-M049	6	.0	1	50.0
STABILIZATION	M111-M119	79,416	97.2	1	50.0
LANDFILL	M132	2,297	2.8	1	50.0
TOTAL		81,719	100.0	2	

19 MANAGEMENT METHOD, BY QUANTITY OF RCRA HAZARDOUS WASTE MANAGED
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
STABILIZATION	M111-M119	79,416	97.2	1	50.0
LANDFILL	M132	2,297	2.8	1	50.0
INCINERATION	M041-M049	6	.0	1	50.0
TOTAL		81,719	100.0	2	

20 MANAGEMENT METHOD AND QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY NUMBER OF FACILITIES,
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
LANDFILL	M132	2,297	2.8	1	50.0
INCINERATION	M041-M049	6	.0	1	50.0
STABILIZATION	M111-M119	79,416	97.2	1	50.0
TOTAL		81,719	100.0	2	

NOTE: FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.
COLUMNS MAY NOT SUM DUE TO ROUNDING.
COLUMNS MAY NOT SUM TO TOTAL BECAUSE FACILITIES MAY HAVE MULTIPLE HANDLING METHODS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

IDAHO

1997 IMPORTS AND EXPORTS

21	QUANTITY OF RCRA HAZARDOUS WASTE IMPORTED:	81,100 TONS
22	QUANTITY OF RCRA HAZARDOUS WASTE EXPORTED:	2,147 TONS

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

ILLINOIS

1997 WASTE GENERATION

1 NUMBER OF RCRA LARGE QUANTITY GENERATORS (LQGS): 1,058

2 QUANTITY OF RCRA HAZARDOUS WASTE GENERATED: 2,201,025 TONS

3 FIFTY LARGEST RCRA HAZARDOUS WASTE GENERATORS IN THE STATE, 1997

RANK	EPA ID	SITE NAME	CITY	TOTAL GENERATED (TONS)
1	ILD064403199	MOBIL OIL CORP	JOLIET	1,015,073
2	ILD080012305	EQUILON ENTERPRISES	ROXANA	283,807
3	ILD005119839	US FILTER/IWT	ROCKFORD	143,306
4	ILD006278170	ALLIED-SIGNAL INC	METROPOLIS	102,747
5	ILD005263157	NORTHWESTERN STEEL & WIRE #2	STERLING	80,738
6	ILD000805812	PEORIA DISPOSAL CO INC	PEORIA	74,805
7	ILD005070537	CATERPILLAR INC	JOLIET	55,605
8	ILD000781591	LTV STEEL CO	HENNEPIN	43,738
9	ILD005172325	MODERN PLATING CORP-PLANT 2	FREEPORT	26,506
10	ILD001662816	AIRTEX PRODUCTS	FAIRFIELD	26,090
11	ILD980613913	SAFETY-KLEEN ENVIRONSYSTEMS CO	DOLTON	24,382
12	ILD005476882	MARATHON ASHLAND PETROLEUM LLC	ROBINSON	21,823
13	ILD005215421	QUALITY METAL FINISHING CO	BYRON	18,783
14	ILD098642424	TRADE WASTE INCINERATION INC	SAUGET	18,460
15	ILT180013468	NORTHERN METAL FINISHING	ROCKFORD	14,746
16	ILD049813256	PRECOAT METALS	CHICAGO	13,298
17	ILD980996862	BIRMINGHAM STEEL CORP KANKAKEE	BOURBONNAIS	12,151
18	ILD055409940	ABBOTT LABORATORIES	NORTH CHICAGO	10,965
19	ILD000714881	KEYSTONE STEEL & WIRE CO	BARTONVILLE	10,839
20	ILD006280606	LACLEDE STEEL COMPANY	ALTON	10,722
21	ILD074573163	ALUMAX EXTRUSIONS	WEST CHICAGO	10,372
22	ILD054236443	3M COMPANY	CORDOVA	8,090
23	ILD005078126	EQUISTAR CHEMICALS LP	TUSCOLA	7,278
24	ILD056623598	LTV STEEL-CHICAGO WKS	CHICAGO	5,602
25	ILD003934569	NATIONAL STARCH & CHEMICAL	MEREDOSIA	5,587
26	ILD062499272	LAROCHE INDUSTRIES INC	CHICAGO HEIGHTS	5,189
27	ILR000024646	DUQUOIN MGP SITE	DUQUOIN	5,189
28	ILD981093180	JLM CHEMICALS INC	ALSIP	4,737
29	IL5140090221	PRIMEX TECHNOLOGIES INC-MARION	MARION	4,555
30	ILD981196843	CP SYSTEMS INC	CHICAGO	4,078
31	ILD984820191	EAKAS CORPORATION	PERU	3,376
32	ILD065873630	AUSTEEL LEMONT CO INC	LEMONT	3,359
33	ILD049297765	ZENITH ELECTRONICS CORP	MELROSE PARK	3,274
34	ILD984817593	AAA GALVANIZING INC	JOLIET	2,676
35	ILD005164611	KOPPERS INDUSTRIES INC	CICERO	2,630
36	ILD070012265	EMPIRE GALVANIZING	FRANKLIN PARK	2,530
37	ILD980682447	READETTE & DUNN PLATERS	ROCKFORD	2,509
38	ILD069496248	HANNAH MARINE CORP	LEMONT	2,342
39	ILD085013449	SALEM GRAVURE	SALEM	2,090
40	ILR000009795	BOEING PRECISION GEAR INC	BEDFORD PARK	2,074
41	ILD000814780	CP CLARE CORP	CHICAGO	2,035
42	ILD005072517	AMERICAN NICKELOID CO	PERU	1,884
43	ILD005450697	SAFETY-KLEEN CORP	CHICAGO	1,749
44	ILD005229448	NEW MORTON	LANSING	1,615
45	ILD002525723	VALSPAR COATINGS	KANKAKEE	1,608
46	ILD005083316	MCWHORTER EAST -FORMER CARGILL	CARPENTERSVILLE	1,539
47	ILD051093367	SUN CHEMICAL CORP	NORTHLAKE	1,498
48	ILD005203476	PFFANSTIEHL LABS INC	WAUKEGAN	1,438
49	ILD000716860	TOYAL AMERICA INC	LOCKPORT	1,396
50	ILD006147342	CHAMPION LABORATORIES INC	WEST SALEM	1,366

TOTAL

2,112,250

NOTE: STATE MAY HAVE FEWER THAN FIFTY GENERATORS.
GENERATORS WITH ZERO QUANTITY GENERATED ARE EXCLUDED.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

ILLINOIS

1997 WASTE GENERATION, CONTINUED

4 QUANTITIES OF WASTE GENERATED IN 1997 THAT WERE

- REPORTED WITH ONLY CHARACTERISTIC WASTE CODES
 - REPORTED WITH ONLY LISTED WASTE CODES
 - REPORTED WITH BOTH CHARACTERISTIC AND LISTED WASTE CODES

WASTE HAS ONLY CHARACTERISTIC CODES	TONS OF WASTE GENERATED	WASTE HAS ONLY LISTED CODES	TONS OF WASTE GENERATED	WASTE HAS BOTH CHARACTERISTIC AND LISTED CODES	TONS OF WASTE GENERATED
ONLY IGNITABLE	19,999	ONLY AN F CODE	43,479		
ONLY CORROSIVE	431,985	ONLY A K CODE	207,268		
ONLY REACTIVE	15,211	ONLY A P CODE	537		
ONLY D004-17	154,556	ONLY A U CODE	780		
ONLY D018-43	13,564				
HAS MORE THAN ONE CHARACTERISTIC CODE	1,145,189	HAS MORE THAN ONE LISTED CODE	13,961		
TOTAL	1,780,503	TOTAL	266,025	BOTH CHARACTERISTIC & LISTED	154,142

5 QUANTITIES OF WASTE GENERATED IN 1997 THAT WERE MULTIPLY CODED

WASTE HAS ONLY CHARACTERISTIC CODES BUT MORE THAN ONE APPLIES	TONS OF WASTE GENERATED	ONLY LISTED CODES BUT HAS MORE THAN ONE	TONS OF WASTE GENERATED	BOTH CHAR, AND LISTED CODES	TONS OF WASTE GENERATED
HAS IGNITABLE CODE	1,030,271			IGN. W/ AT LEAST 1 LSTD	82,853
HAS CORROSIVE CODE	116,266			CORR. W/ AT LEAST 1 LSTD	7,669
HAS REACTIVE CODE	4,040			REACT. W/ AT LEAST 1 LSTD	36,635
HAS D004-D017 CODE	117,597			D004-17 W/ AT LEAST 1 LSTD	60,596
HAS D018-D043 CODE	1,031,028			D018-43 W/ AT LEAST 1 LSTD	24,590
		HAS AN F CODE	13,961	F WASTE W/ AT LEAST 1 CHAR	135,568
		HAS A K CODE	13,958	K WASTE W/ AT LEAST 1 CHAR	18,362
		HAS A P CODE	0	P WASTE W/ AT LEAST 1 CHAR	16
		HAS A U CODE	3	U WASTE W/ AT LEAST 1 CHAR	612
TOTAL	1,145,189	TOTAL	13,961	TOTAL	154,142

NOTE: COLUMNS DO NOT SUM TO TOTAL BECAUSE A WASTE CODE MAY APPLY TO MORE THAN ONE WASTE.
 MIXTURES WITH IGNITABLE, CORROSIVE, REACTIVE, D004-17, AND D018-43 CHARACTERISTIC CODES ALSO MAY
 CONTAIN OTHER CHARACTERISTIC WASTE CODES.
 SIMILARLY, WASTES WITH F,K,P, AND U LISTED CODES MAY HAVE OTHER LISTED WASTE CODES.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

ILLINOIS

1997 WASTE MANAGEMENT

6 NUMBER OF RCRA TSD FACILITIES: 86

7 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED: 445,728 TONS

8 FIFTY LARGEST RCRA HAZARDOUS WASTE MANAGEMENT FACILITIES, 1997

RANK	EPA ID	SITE NAME	CITY	TONS OF WASTE MANAGED
----	-----	-----	----	-----
1	ILD000805812	PEORIA DISPOSAL CO INC	PEORIA	150,921
2	ILD005263157	NORTHWESTERN STEEL & WIRE #2	STERLING	80,409
3	ILD980613913	SAFETY-KLEEN ENVIRONSYSYSTEMS CO	DOLTON	76,555
4	ILD000781591	LTV STEEL CO	HENNEPIN	43,310
5	ILD098642424	TRADE WASTE INCINERATION INC	SAUGET	26,069
6	ILD005476882	MARATHON ASHLAND PETROLEUM LLC	ROBINSON	20,291
7	ILD085349264	HERITAGE ENVIRONMENTAL SERVICE	LEMONT	16,347
8	ILD000608471	CLEAN HARBORS SVCS INC	CHICAGO	12,859
9	ILD005450697	SAFETY-KLEEN CORP	CHICAGO	8,508
10	ILD064418353	BEAVER OIL CO INC	HODGKINS	4,681
11	ILD984766279	HYDROMET ENVIRONMENTAL INC	NEWMAN	2,723
12	ILD066918327	RESOURCE RECOVERY	SAUGET	1,812
13	ILD006271696	OLIN BRASS & WINCHESTER INC	EAST ALTON	512
14	ILD000666206	ENVIRITE OF ILLINOIS INC	HARVEY	496
15	ILD000675249	HANDY & HARMAN REFINING GROUP	VILLA PARK	227
16	IL3890008946	ARGONNE NATIONAL LABORATORY	ARGONNE	7
17	ILD980502744	LAIDLAW ENVIRONMENTAL SERVICES	PECATONICA	0
TOTAL				445,728

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
 STATE MAY HAVE FEWER THAN FIFTY FACILITIES THAT MANAGED WASTE.
 FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

ILLINOIS

1997 WASTE MANAGEMENT, CONTINUED

9 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY MANAGEMENT METHOD, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
METALS RECOVERY (FOR REUSE)	M011-M019	3,446	.8	4	23.5
SOLVENTS RECOVERY	M021-M029	41,778	9.4	4	23.5
OTHER RECOVERY	M031-M039	1	.0	2	11.8
INCINERATION	M041-M049	26,199	5.9	6	35.3
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	5,091	1.1	3	17.6
FUEL BLENDING	M061	77,927	17.5	5	29.4
STABILIZATION	M111-M119	137,475	30.8	4	23.5
LAND TREATMENT / APPLICATION / FARMING	M131	16,232	3.6	1	5.9
LANDFILL	M132	94,267	21.1	1	5.9
DEEPWELL / UNDERGROUND INJECTION	M134	43,310	9.7	1	5.9
OTHER DISPOSAL SPECIFIED IN COMMENTS	M137	1	.0	1	5.9
TOTAL		445,728	100.0	17	

10 MANAGEMENT METHOD, BY QUANTITY OF RCRA HAZARDOUS WASTE MANAGED, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
STABILIZATION	M111-M119	137,475	30.8	4	23.5
LANDFILL	M132	94,267	21.1	1	5.9
FUEL BLENDING	M061	77,927	17.5	5	29.4
DEEPWELL / UNDERGROUND INJECTION	M134	43,310	9.7	1	5.9
SOLVENTS RECOVERY	M021-M029	41,778	9.4	4	23.5
INCINERATION	M041-M049	26,199	5.9	6	35.3
LAND TREATMENT / APPLICATION / FARMING	M131	16,232	3.6	1	5.9
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	5,091	1.1	3	17.6
METALS RECOVERY (FOR REUSE)	M011-M019	3,446	.8	4	23.5
OTHER RECOVERY	M031-M039	1	.0	2	11.8
OTHER DISPOSAL SPECIFIED IN COMMENTS	M137	1	.0	1	5.9
TOTAL		445,728	100.0	17	

11 MANAGEMENT METHOD AND QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY NUMBER OF FACILITIES, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
INCINERATION	M041-M049	26,199	5.9	6	35.3
FUEL BLENDING	M061	77,927	17.5	5	29.4
METALS RECOVERY (FOR REUSE)	M011-M019	3,446	.8	4	23.5
SOLVENTS RECOVERY	M021-M029	41,778	9.4	4	23.5
STABILIZATION	M111-M119	137,475	30.8	4	23.5
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	5,091	1.1	3	17.6
OTHER RECOVERY	M031-M039	1	.0	2	11.8
LAND TREATMENT / APPLICATION / FARMING	M131	16,232	3.6	1	5.9
LANDFILL	M132	94,267	21.1	1	5.9
DEEPWELL / UNDERGROUND INJECTION	M134	43,310	9.7	1	5.9
OTHER DISPOSAL SPECIFIED IN COMMENTS	M137	1	.0	1	5.9
TOTAL		445,728	100.0	17	

NOTE: FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.
COLUMNS MAY NOT SUM DUE TO ROUNDING.
COLUMNS MAY NOT SUM TO TOTAL BECAUSE FACILITIES MAY HAVE MULTIPLE HANDLING METHODS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

ILLINOIS

1997 WASTE SHIPMENTS

12 NUMBER OF RCRA HAZARDOUS WASTE SHIPPERS: 972

13 QUANTITY OF RCRA HAZARDOUS WASTE SHIPPED: 292,148 TONS

14 FIFTY LARGEST RCRA HAZARDOUS WASTE SHIPPERS, 1997

RANK	EPA ID	SITE NAME	CITY	QUANTITY SHIPPED (TONS)
----	-----	-----	----	-----
1	ILD980613913	SAFETY-KLEEN ENVIRONSYSYSTEMS CO	DOLTON	26,768
2	ILD085349264	HERITAGE ENVIRONMENTAL SERVICE	LEMONT	19,590
3	ILD000608471	CLEAN HARBORS SVCS INC	CHICAGO	14,526
4	ILD980502744	LAIDLAW ENVIRONMENTAL SERVICES	PECATONICA	12,196
5	ILD980996862	BIRMINGHAM STEEL CORP KANKAKEE	BOURBONNAIS	12,151
6	ILD098642424	TRADE WASTE INCINERATION INC	SAUGET	11,839
7	ILD000714881	KEYSTONE STEEL & WIRE CO	BARTONVILLE	10,839
8	ILD055409940	ABBOTT LABORATORIES	NORTH CHICAGO	10,700
9	ILD080012305	EQUILON ENTERPRISES	ROXANA	8,581
10	ILD054236443	3M COMPANY	CORDOVA	8,090
11	ILD056623598	LTV STEEL-CHICAGO WKS	CHICAGO	5,602
12	ILD062499272	LAROCHE INDUSTRIES INC	CHICAGO HEIGHTS	5,189
13	ILR000024646	DUQUOIN MGP SITE	DUQUOIN	5,189
14	ILD981093180	JLM CHEMICALS INC	ALSIP	4,737
15	ILD000805911	SAFETY-KLEEN SYSTEMS INC	ELGIN	3,575
16	ILD005078126	EQUISTAR CHEMICALS LP	TUSCOLA	3,504
17	ILD006280606	LACLEDE STEEL COMPANY	ALTON	3,490
18	ILD984820191	EAKAS CORPORATION	PERU	3,376
19	ILD065873630	AUSTEEL LEMONT CO INC	LEMONT	3,359
20	ILD049297765	ZENITH ELECTRONICS CORP	MELROSE PARK	2,732
21	ILD984817593	AAA GALVANIZING INC	JOLIET	2,676
22	ILD005164611	KOPPERS INDUSTRIES INC	CICERO	2,630
23	ILD070012265	EMPIRE GALVANIZING	FRANKLIN PARK	2,520
24	ILD069496248	HANNAH MARINE CORP	LEMONT	2,342
25	ILD000814780	CP CLARE CORP	CHICAGO	2,035
26	ILD005456439	SHERWIN WILLIAMS CO	CHICAGO	1,828
27	ILD005450697	SAFETY-KLEEN CORP	CHICAGO	1,753
28	ILD005229448	NEW MORTON	LANSING	1,635
29	ILD066918327	RESOURCE RECOVERY	SAUGET	1,548
30	ILD005476882	MARATHON ASHLAND PETROLEUM LLC	ROBINSON	1,532
31	ILD005083316	MCWHORTER EAST -FORMER CARGILL	CARPENTERSVILLE	1,518
32	ILD051093367	SUN CHEMICAL CORP	NORTHLAKE	1,498
33	ILD005203476	PFANSTIEHL LABS INC	WAUKEGAN	1,438
34	ILD000716860	TOYAL AMERICA INC	LOCKPORT	1,396
35	ILD006147342	CHAMPION LABORATORIES INC	WEST SALEM	1,366
36	ILD079748109	CALUMET STEEL	CHICAGO HEIGHTS	1,248
37	ILD004531927	DEXTER CORP THE	WAUKEGAN	1,237
38	ILD984823237	COM ED COAL TAR S	JOLIET	1,237
39	ILD048296180	MILLENNIUM PETROCHEMICALS	MORRIS	1,234
40	ILD060364882	FORD MOTOR CO, ASSEMBLY PLANT	CHICAGO	1,219
41	ILD005215769	HENKEL CORP	KANKAKEE	1,189
42	ILD005100789	SEYMOUR OF SYCAMORE INC	SYCAMORE	1,181
43	ILD062480850	PHIBRO-TECH INC	JOLIET	1,151
44	ILT180019713	BARTLETT MFG CO INC	CARY	1,030
45	ILD093862811	SAFETY-KLEEN CORP	PEKIN	960
46	ILD054351770	STEPAN COMPANY	ELWOOD	942
47	ILD097271563	R LAVIN & SONS INC	NORTH CHICAGO	920
48	ILD068458835	G D SEARLE & CO	SKOKIE	897
49	ILD982072357	MITSUBISHI MOTOR MFG OF AMERIC	NORMAL	885
50	ILD981097819	SAFETY-KLEEN CORP	CASEYVILLE	869

TOTAL

219,948

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY SHIPPERS.

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NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

ILLINOIS

1997 WASTE RECEIPTS

15 NUMBER OF RCRA HAZARDOUS WASTE RECEIVERS: 20

16 QUANTITY OF RCRA HAZARDOUS WASTE RECEIVED: 355,053 TONS

17 FIFTY LARGEST RCRA HAZARDOUS WASTE RECEIVERS, 1997

RANK	EPA ID	SITE NAME	CITY	QUANTITY RECEIVED (TONS)
----	-----	-----	----	-----
1	ILD000608471	CLEAN HARBORS SVCS INC	CHICAGO	144,915
2	ILD000805812	PEORIA DISPOSAL CO INC	PEORIA	76,165
3	ILD980613913	SAFETY-KLEEN ENVIRONSYSYSTEMS CO	DOLTON	53,112
4	ILD098642424	TRADE WASTE INCINERATION INC	SAUGET	25,959
5	ILD085349264	HERITAGE ENVIRONMENTAL SERVICE	LEMONT	18,139
6	ILD980502744	LAIDLAW ENVIRONMENTAL SERVICES	PECATONICA	11,540
7	ILD005450697	SAFETY-KLEEN CORP	CHICAGO	8,573
8	ILD064418353	BEAVER OIL CO INC	HODGKINS	4,681
9	ILD000805911	SAFETY-KLEEN SYSTEMS INC	ELGIN	2,820
10	ILD066918327	RESOURCE RECOVERY	SAUGET	2,772
11	ILD984766279	HYDROMET ENVIRONMENTAL INC	NEWMAN	2,723
12	ILD000666206	ENVIRITE OF ILLINOIS INC	HARVEY	1,066
13	ILD093862811	SAFETY-KLEEN CORP	PEKIN	736
14	ILD981097819	SAFETY-KLEEN CORP	CASEYVILLE	633
15	ILD981088388	SAFETY-KLEEN CORP	URBANA	448
16	ILD000716894	AMERICAN WASTE PROCESSING LTD	MAYWOOD	321
17	ILD074424938	DETREX CORP,SOLVENT & ENVR SVC	MELROSE PARK	221
18	IL8143609487	PRIMEX TECHNOLOGIES INC-AREA13	MARION	144
19	ILD000675249	HANDY & HARMAN REFINING GROUP	VILLA PARK	83
20	ILD006271696	OLIN BRASS & WINCHESTER INC	EAST ALTON	0

TOTAL

355,053

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY FACILITIES THAT RECEIVED WASTE.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

ILLINOIS

1997 WASTE RECEIPTS, CONTINUED

18 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY MANAGEMENT METHOD,
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
METALS RECOVERY (FOR REUSE)	M011-M019	3,302	1.6	4	36.4
SOLVENTS RECOVERY	M021-M029	41,778	20.8	4	36.4
OTHER RECOVERY	M031-M039	1	.0	2	18.2
INCINERATION	M041-M049	25,982	12.9	4	36.4
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	1,033	.5	2	18.2
FUEL BLENDING	M061	52,596	26.2	5	45.5
STABILIZATION	M111-M119	56,654	28.2	1	9.1
LANDFILL	M132	19,511	9.7	1	9.1
OTHER DISPOSAL SPECIFIED IN COMMENTS	M137	1	.0	1	9.1
TOTAL		200,858	100.0	11	

19 MANAGEMENT METHOD, BY QUANTITY OF RCRA HAZARDOUS WASTE MANAGED
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
STABILIZATION	M111-M119	56,654	28.2	1	9.1
FUEL BLENDING	M061	52,596	26.2	5	45.5
SOLVENTS RECOVERY	M021-M029	41,778	20.8	4	36.4
INCINERATION	M041-M049	25,982	12.9	4	36.4
LANDFILL	M132	19,511	9.7	1	9.1
METALS RECOVERY (FOR REUSE)	M011-M019	3,302	1.6	4	36.4
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	1,033	.5	2	18.2
OTHER RECOVERY	M031-M039	1	.0	2	18.2
OTHER DISPOSAL SPECIFIED IN COMMENTS	M137	1	.0	1	9.1
TOTAL		200,858	100.0	11	

20 MANAGEMENT METHOD AND QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY NUMBER OF FACILITIES,
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
FUEL BLENDING	M061	52,596	26.2	5	45.5
METALS RECOVERY (FOR REUSE)	M011-M019	3,302	1.6	4	36.4
SOLVENTS RECOVERY	M021-M029	41,778	20.8	4	36.4
INCINERATION	M041-M049	25,982	12.9	4	36.4
OTHER RECOVERY	M031-M039	1	.0	2	18.2
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	1,033	.5	2	18.2
LANDFILL	M132	19,511	9.7	1	9.1
OTHER DISPOSAL SPECIFIED IN COMMENTS	M137	1	.0	1	9.1
STABILIZATION	M111-M119	56,654	28.2	1	9.1
TOTAL		200,858	100.0	11	

NOTE: FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.
COLUMNS MAY NOT SUM DUE TO ROUNDING.
COLUMNS MAY NOT SUM TO TOTAL BECAUSE FACILITIES MAY HAVE MULTIPLE HANDLING METHODS.

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ILLINOIS

1997 IMPORTS AND EXPORTS

21	QUANTITY OF RCRA HAZARDOUS WASTE IMPORTED:	150,922 TONS
22	QUANTITY OF RCRA HAZARDOUS WASTE EXPORTED:	205,851 TONS

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

INDIANA

1997 WASTE GENERATION

1 NUMBER OF RCRA LARGE QUANTITY GENERATORS (LQGS): 633

2 QUANTITY OF RCRA HAZARDOUS WASTE GENERATED: 1,077,410 TONS

3 FIFTY LARGEST RCRA HAZARDOUS WASTE GENERATORS IN THE STATE, 1997

RANK	EPA ID	SITE NAME	CITY	TOTAL GENERATED (TONS)
1	IND003913423	BETHLEHEM STEEL CORP	CHESTERTON	350,220
2	IND000810861	AMOCO OIL CO WHITING LAKEFRONT	WHITING	139,455
3	IND006050967	ELI LILLY & CO TIPPECANOE LABS	SHADELAND	81,793
4	IND093219012	HERITAGE ENVIRONMENTAL SERVICES	INDIANAPOLIS	80,558
5	IND016584641	MIDWEST STEEL DIV	PORTAGE	76,858
6	IND000717959	GENERAL BATTERY/EXIDE CORP	MUNCIE	50,843
7	IND181157009	NUCOR STEEL	CRAWFORDSVILLE	42,711
8	INR0000001099	STEEL DYNAMICS INC	BUTLER	34,754
9	IND006376362	GENERAL ELECTRIC CO	MT VERNON	23,500
10	IND072040348	ELI LILLY & CO CLINTON LABS	CLINTON	18,324
11	IND000806935	ELI LILLY & CO - LILLY TECH CTR	INDIANAPOLIS	17,120
12	IND000807107	REILLY IND INC	INDIANAPOLIS	14,719
13	IND006366819	ALCOA -WARRICK OPER	NEWBURGH	11,426
14	IND000199653	QUEMETCO	INDIANAPOLIS	10,319
15	IND005159199	INLAND STEEL CO	EAST CHICAGO	8,751
16	IND077042034	SAFETY KLEEN OIL RECOVERY CO	EAST CHICAGO	8,477
17	IND005444062	US STEEL - GARY WORKS	GARY	6,100
18	IND000780403	RECLAIMED ENERGY CO INC	CONNERSVILLE	5,749
19	IND006421549	CITIZENS GAS & COKE UTILITY - MFG	INDIANAPOLIS	4,753
20	IND078911146	CHEMICAL WASTE MANAGEMENT OF INDIANA LLC	FORT WAYNE	4,584
21	IND984868836	COLWELL GENERAL INC SYSTEMS DIV	KENDALLVILLE	3,167
22	IND006068050	DELPHI DELCO ELECTRONICS SYSTEMS PLT 1	KOKOMO	3,153
23	IND093220861	AVESTA SHEFFIELD PLATE INC	NEW CASTLE	3,023
24	IND005146683	FORD METER BOX CO INC	WABASH	2,496
25	IND041855776	GK TECH/IN STEEL & WIRE	MUNCIE	2,481
26	IND087032611	INDIANAPOLIS FOUNDRY/CHRYSLER	INDIANAPOLIS	2,308
27	IND980501936	HERMASEAL CO AMERICAN ELECTRONIC COMPOSI	ELKHART	2,232
28	IND058960329	FOAMEX LP	FT WAYNE	1,863
29	IND984894287	I/N KOTE	NEW CARLISLE	1,789
30	IND042080614	ACCRA PAC INC	ELKHART	1,747
31	IND005478094	ALUMINUM CO OF AMERICA	LAFAYETTE	1,741
32	IND984904466	BETA STEEL CORP	PORTAGE	1,667
33	IND005081955	GLOBE VALVE CORP	DELPHI	1,567
34	IND005447537	SLATER STEEL CORP	FT WAYNE	1,411
35	IND006420699	FORD ELECTRONICS & REFRIG	CONNERSVILLE	1,352
36	IN5210020454	US ARMY JEFFERSON PROVING GROUNDS	MADISON	1,148
37	IND000806851	DELPHI DELCO ELECTRONICS SYSTEMS-	KOKOMO	1,136
38	IND990873499	RED SPOT PAINT & VARNISH	EVANSVILLE	1,095
39	IND081530362	GOLDEN CASTING CORP	COLUMBUS	1,063
40	IND000816108	PREFERRED TECHNICAL GRP	COLUMBIA CITY	1,043
41	IND980615678	HOSKINS MFG CO	NEW PARIS	1,008
42	IND082071234	FERRO CORP KEIL CHEMICAL DIV	HAMMOND	986
43	IND006059075	PFIZER INC	TERRE HAUTE	967
44	IND006040117	LILLY IND INC	INDIANAPOLIS	930
45	IND000715573	COPELAND CORP	RUSHVILLE	921
46	IND103631131	DIGITAL AUDIO DISC CORP	TERRE HAUTE	879
47	IND981955859	HH SUMCO INC	INDIANAPOLIS	867
48	IND115304594	GMC TRUCK & BUS	ROANOKE	859
49	IND009223728	PRINTPACK INC	GREENSBURG	831
50	IND000806927	ELI LILLY & CO MC BIOCHEM MFG	INDIANAPOLIS	797

TOTAL

1,037,539

NOTE: STATE MAY HAVE FEWER THAN FIFTY GENERATORS.
GENERATORS WITH ZERO QUANTITY GENERATED ARE EXCLUDED.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

INDIANA

1997 WASTE GENERATION, CONTINUED

4 QUANTITIES OF WASTE GENERATED IN 1997 THAT WERE

- REPORTED WITH ONLY CHARACTERISTIC WASTE CODES
- REPORTED WITH ONLY LISTED WASTE CODES
- REPORTED WITH BOTH CHARACTERISTIC AND LISTED WASTE CODES

WASTE HAS ONLY CHARACTERISTIC CODES	TONS OF WASTE GENERATED	WASTE HAS ONLY LISTED CODES	TONS OF WASTE GENERATED	WASTE HAS BOTH CHARACTERISTIC AND LISTED CODES	TONS OF WASTE GENERATED
ONLY IGNITABLE	84,538	ONLY AN F CODE	134,484		
ONLY CORROSIVE	2,937	ONLY A K CODE	210,289		
ONLY REACTIVE	17	ONLY A P CODE	7		
ONLY D004-17	82,159	ONLY A U CODE	5,358		
ONLY D018-43	6,202				
HAS MORE THAN ONE CHARACTERISTIC CODE	350,928	HAS MORE THAN ONE LISTED CODE	6,034		
TOTAL	526,781	TOTAL	356,171	BOTH CHARACTERISTIC & LISTED	194,240

5 QUANTITIES OF WASTE GENERATED IN 1997 THAT WERE MULTIPLY CODED

WASTE HAS ONLY CHARACTERISTIC CODES BUT MORE THAN ONE APPLIES	TONS OF WASTE GENERATED	ONLY LISTED CODES BUT HAS MORE THAN ONE	TONS OF WASTE GENERATED	BOTH CHAR, AND LISTED CODES	TONS OF WASTE GENERATED
HAS IGNITABLE CODE	4,967			IGN. W/ AT LEAST 1 LSTD	58,591
HAS CORROSIVE CODE	13,508			CORR. W/ AT LEAST 1 LSTD	63,896
HAS REACTIVE CODE	8,786			REACT. W/ AT LEAST 1 LSTD	642
HAS D004-D017 CODE	339,520			D004-17 W/ AT LEAST 1 LSTD	49,056
HAS D018-D043 CODE	337,296			D018-43 W/ AT LEAST 1 LSTD	51,101
		HAS AN F CODE	6,034	F WASTE W/ AT LEAST 1 CHAR	64,429
		HAS A K CODE	2,156	K WASTE W/ AT LEAST 1 CHAR	128,861
		HAS A P CODE	0	P WASTE W/ AT LEAST 1 CHAR	158
		HAS A U CODE	3,878	U WASTE W/ AT LEAST 1 CHAR	1,122
TOTAL	350,928	TOTAL	6,034	TOTAL	194,240

NOTE: COLUMNS DO NOT SUM TO TOTAL BECAUSE A WASTE CODE MAY APPLY TO MORE THAN ONE WASTE.
 MIXTURES WITH IGNITABLE, CORROSIVE, REACTIVE, D004-17, AND D018-43 CHARACTERISTIC CODES ALSO MAY
 CONTAIN OTHER CHARACTERISTIC WASTE CODES.
 SIMILARLY, WASTES WITH F,K,P, AND U LISTED CODES MAY HAVE OTHER LISTED WASTE CODES.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

INDIANA

1997 WASTE MANAGEMENT

6 NUMBER OF RCRA TSD FACILITIES: 40

7 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED: 1,357,777 TONS

8 FIFTY LARGEST RCRA HAZARDOUS WASTE MANAGEMENT FACILITIES, 1997

RANK	EPA ID	SITE NAME	CITY	TONS OF WASTE MANAGED
----	-----	-----	----	-----
1	IND003913423	BETHLEHEM STEEL CORP	CHESTERTON	349,765
2	IND000810861	AMOCO OIL CO WHITING LAKEFRONT	WHITING	137,252
3	IND000199653	QUEMETCO	INDIANAPOLIS	127,699
4	IND078911146	CHEMICAL WASTE MANAGEMENT OF INDIANA LLC	FORT WAYNE	126,203
5	IND006050967	ELI LILLY & CO TIPPECANOE LABS	SHADELAND	92,581
6	IND005081542	ESSROC CEMENT CORP	LOGANSPOUT	87,584
7	IND980503890	HERITAGE ENVIRONMENTAL SVC INC	ROACHDALE	80,558
8	IND016584641	MIDWEST STEEL DIV	PORTAGE	76,761
9	IND000717959	GENERAL BATTERY/EXIDE CORP	MUNCIE	57,702
10	IND006419212	LONE STAR INDUSTRIES INC	GREENCASTLE	57,284
11	IND093219012	HERITAGE ENVIRONMENTAL SERVICES	INDIANAPOLIS	38,855
12	IND000646943	POLLUTION CONTROL INDUSTRIES, INC	EAST CHICAGO	29,318
13	IND072040348	ELI LILLY & CO CLINTON LABS	CLINTON	26,005
14	IND006376362	GENERAL ELECTRIC CO	MT VERNON	23,865
15	IND000780403	RECLAIMED ENERGY CO INC	CONNERSVILLE	13,661
16	IND001859032	RHONE POULENC INC (RHODIA INC)	HAMMOND	13,261
17	IND000807107	REILLY IND INC	INDIANAPOLIS	11,513
18	IND980590947	ENVIRONMENTAL SERVICES OF AMERICA	SOUTH BEND	4,630
19	IND980501936	HERMASEAL CO AMERICAN ELECTRONIC COMPOSI	ELKHART	2,217
20	IND085616837	DETREX CORP SOLVENTS&ENV SVCS	INDIANAPOLIS	893
21	IND005460209	MASON CORP	SCHERERVILLE	138
22	IND077042034	SAFETY KLEEN OIL RECOVERY CO	EAST CHICAGO	17
23	IND016621476	ASHLAND CHEMICAL CO	SOUTH BEND	16
24	IND072051394	PURDUE UNIV. LMSB	WEST LAFAYETTE	1
TOTAL				1,357,777

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY FACILITIES THAT MANAGED WASTE.
FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

INDIANA

1997 WASTE MANAGEMENT, CONTINUED

9 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY MANAGEMENT METHOD, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
METALS RECOVERY (FOR REUSE)	M011-M019	182,003	13.4	5	20.8
SOLVENTS RECOVERY	M021-M029	92,656	6.8	4	16.7
OTHER RECOVERY	M031-M039	39	.0	3	12.5
INCINERATION	M041-M049	77,581	5.7	4	16.7
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	194,858	14.4	6	25.0
FUEL BLENDING	M061	42,048	3.1	5	20.8
SLUDGE TREATMENT	M101-M109	98,247	7.2	1	4.2
STABILIZATION	M111-M119	146,879	10.8	5	20.8
LANDFILL	M132	113,812	8.4	3	12.5
DEEPWELL / UNDERGROUND INJECTION	M134	409,655	30.2	2	8.3
TOTAL		1,357,777	100.0	24	

10 MANAGEMENT METHOD, BY QUANTITY OF RCRA HAZARDOUS WASTE MANAGED, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
DEEPWELL / UNDERGROUND INJECTION	M134	409,655	30.2	2	8.3
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	194,858	14.4	6	25.0
METALS RECOVERY (FOR REUSE)	M011-M019	182,003	13.4	5	20.8
STABILIZATION	M111-M119	146,879	10.8	5	20.8
LANDFILL	M132	113,812	8.4	3	12.5
SLUDGE TREATMENT	M101-M109	98,247	7.2	1	4.2
SOLVENTS RECOVERY	M021-M029	92,656	6.8	4	16.7
INCINERATION	M041-M049	77,581	5.7	4	16.7
FUEL BLENDING	M061	42,048	3.1	5	20.8
OTHER RECOVERY	M031-M039	39	.0	3	12.5
TOTAL		1,357,777	100.0	24	

11 MANAGEMENT METHOD AND QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY NUMBER OF FACILITIES, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	194,858	14.4	6	25.0
FUEL BLENDING	M061	42,048	3.1	5	20.8
METALS RECOVERY (FOR REUSE)	M011-M019	182,003	13.4	5	20.8
STABILIZATION	M111-M119	146,879	10.8	5	20.8
SOLVENTS RECOVERY	M021-M029	92,656	6.8	4	16.7
INCINERATION	M041-M049	77,581	5.7	4	16.7
LANDFILL	M132	113,812	8.4	3	12.5
OTHER RECOVERY	M031-M039	39	.0	3	12.5
DEEPWELL / UNDERGROUND INJECTION	M134	409,655	30.2	2	8.3
SLUDGE TREATMENT	M101-M109	98,247	7.2	1	4.2
TOTAL		1,357,777	100.0	24	

NOTE: FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.
COLUMNS MAY NOT SUM DUE TO ROUNDING.
COLUMNS MAY NOT SUM TO TOTAL BECAUSE FACILITIES MAY HAVE MULTIPLE HANDLING METHODS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

INDIANA

1997 WASTE SHIPMENTS

12 NUMBER OF RCRA HAZARDOUS WASTE SHIPPERS: 592

13 QUANTITY OF RCRA HAZARDOUS WASTE SHIPPED: 364,913 TONS

14 FIFTY LARGEST RCRA HAZARDOUS WASTE SHIPPERS, 1997

RANK	EPA ID	SITE NAME	CITY	QUANTITY SHIPPED (TONS)
1	IND093219012	HERITAGE ENVIRONMENTAL SERVICES	INDIANAPOLIS	94,288
2	IND181157009	NUCOR STEEL	CRAWFORDSVILLE	42,711
3	INR000001099	STEEL DYNAMICS INC	BUTLER	34,754
4	IND000646943	POLLUTION CONTROL INDUSTRIES, INC	EAST CHICAGO	30,596
5	IND000806935	ELI LILLY & CO - LILLY TECH CTR	INDIANAPOLIS	17,120
6	IND006366819	ALCOA -WARRICK OPER	NEWBURGH	11,426
7	IND005159199	INLAND STEEL CO	EAST CHICAGO	8,751
8	IND077042034	SAFETY KLEEN OIL RECOVERY CO	EAST CHICAGO	8,555
9	IND000199653	QUEMETCO	INDIANAPOLIS	6,245
10	IND000780403	RECLAIMED ENERGY CO INC	CONNERSVILLE	6,122
11	IND005444062	US STEEL - GARY WORKS	GARY	6,100
12	IND980590947	ENVIRONMENTAL SERVICES OF AMERICA	SOUTH BEND	5,585
13	IND006421549	CITIZENS GAS & COKE UTILITY - MFG	INDIANAPOLIS	4,736
14	IND078911146	CHEMICAL WASTE MANAGEMENT OF INDIANA LLC	FORT WAYNE	4,476
15	IND000807107	REILLY IND INC	INDIANAPOLIS	3,200
16	IND006050967	ELI LILLY & CO TIPPECANOE LABS	SHADELAND	3,189
17	IND006068050	DELPHI DELCO ELECTRONICS SYSTEMS PLT 1	KOKOMO	3,153
18	IND016351272	CAMBRIDGE INDUSTRIES INC	GRABILL	3,099
19	IND093220861	AVESTA SHEFFIELD PLATE INC	NEW CASTLE	3,023
20	IND087032611	INDIANAPOLIS FOUNDRY/CHRYSLER	INDIANAPOLIS	2,308
21	IND000810861	AMOCO OIL CO WHITING LAKEFRONT	WHITING	2,186
22	IND058960329	FOAMEX LP	FT WAYNE	1,863
23	IND006059075	PFIZER INC	TERRE HAUTE	1,819
24	IND984894287	I/N KOTE	NEW CARLISLE	1,789
25	IND984904466	BETA STEEL CORP	PORTAGE	1,667
26	IND005447537	SLATER STEEL CORP	FT WAYNE	1,411
27	IND000806851	DELPHI DELCO ELECTRONICS SYSTEMS-	KOKOMO	1,167
28	IN5210020454	US ARMY JEFFERSON PROVING GROUNDS	MADISON	1,148
29	IND990873499	RED SPOT PAINT & VARNISH	EVANSVILLE	1,095
30	IND081530362	GOLDEN CASTING CORP	COLUMBUS	1,063
31	IND000816108	PREFERRED TECHNICAL GRP	COLUMBIA CITY	1,043
32	IND042080614	ACCRA PAC INC	ELKHART	1,027
33	IND082071234	FERRO CORP KEIL CHEMICAL DIV	HAMMOND	986
34	IND000715573	COPELAND CORP	RUSHVILLE	921
35	IND981955859	HH SUMCO INC	INDIANAPOLIS	867
36	IND115304594	GMC TRUCK & BUS	ROANOKE	859
37	IND006420699	FORD ELECTRONICS & REFRIG	CONNERSVILLE	858
38	IND000806927	ELI LILLY & CO MC BIOCHEM MFG	INDIANAPOLIS	797
39	IND006418735	WITT CO MUNCIE GALVANIZING DIV	MUNCIE	771
40	IND006034300	BEMIS CO INC	TERRE HAUTE	733
41	IND098138936	DELTA FAUCET CO	GREENSBURG	722
42	IND006420087	ROLL COATER INC	GREENFIELD	687
43	IND005462601	LTV STEEL CO	EAST CHICAGO	681
44	IND092043595	ATLAS CHEM MILLING	ELKHART	671
45	IND072040348	ELI LILLY & CO CLINTON LABS	CLINTON	647
46	IND984866491	SUBARU ISUZU AUTOMOTIVE INC	LAFAYETTE	626
47	IND984866202	UNITED COATINGS INC	INDIANAPOLIS	601
48	IND990873606	ROLL COATER INC	KINGSBURY	589
49	IN9210020443	US ARMY IN ARMY AMMO PLT	CHARLESTOWN	576
50	IND982641094	VALEO ENGINE COOLING	GREENSBURG	571

TOTAL

329,876

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY SHIPPERS.

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NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

INDIANA

1997 WASTE RECEIPTS

15 NUMBER OF RCRA HAZARDOUS WASTE RECEIVERS: 21

16 QUANTITY OF RCRA HAZARDOUS WASTE RECEIVED: 611,458 TONS

17 FIFTY LARGEST RCRA HAZARDOUS WASTE RECEIVERS, 1997

RANK	EPA ID	SITE NAME	CITY	QUANTITY RECEIVED (TONS)
----	-----	-----	----	-----
1	IND078911146	CHEMICAL WASTE MANAGEMENT OF INDIANA LLC	FORT WAYNE	125,984
2	IND000199653	QUEMETCO	INDIANAPOLIS	123,552
3	IND005081542	ESSROC CEMENT CORP	LOGANSPO	87,433
4	IND980503890	HERITAGE ENVIRONMENTAL SVC INC	ROACHDALE	80,558
5	IND006419212	LONE STAR INDUSTRIES INC	GREENCASTLE	57,271
6	IND093219012	HERITAGE ENVIRONMENTAL SERVICES	INDIANAPOLIS	40,657
7	IND000646943	POLLUTION CONTROL INDUSTRIES, INC	EAST CHICAGO	32,196
8	IND006050967	ELI LILLY & CO TIPPECANOE LABS	SHADELAND	13,979
9	IND000780403	RECLAIMED ENERGY CO INC	CONNERSVILLE	13,967
10	IND001859032	RHONE POULENC INC (RHODIA INC)	HAMMOND	13,261
11	IND072040348	ELI LILLY & CO CLINTON LABS	CLINTON	8,328
12	IND000717959	GENERAL BATTERY/EXIDE CORP	MUNCIE	7,296
13	IND980590947	ENVIRONMENTAL SERVICES OF AMERICA	SOUTH BEND	5,222
14	IND085616837	DETREX CORP SOLVENTS&ENV SVCS	INDIANAPOLIS	893
15	IND016621476	ASHLAND CHEMICAL CO	SOUTH BEND	512
16	IND005460209	MASON CORP	SCHERERVILLE	138
17	IND040295347	VAN WATERS & ROGERS INC	INDIANAPOLIS	82
18	IND016627333	VAN WATERS & ROGERS INC	SOUTH BEND	67
19	IND000806851	DELPHI DELCO ELECTRONICS SYSTEMS-	KOKOMO	23
20	IND006421325	ELI LILLY & CO - MATERIALS CTR	INDIANAPOLIS	21
21	IND077042034	SAFETY KLEEN OIL RECOVERY CO	EAST CHICAGO	17

TOTAL 611,458

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY FACILITIES THAT RECEIVED WASTE.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

INDIANA

1997 WASTE RECEIPTS, CONTINUED

18 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY MANAGEMENT METHOD,
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
METALS RECOVERY (FOR REUSE)	M011-M019	131,719	21.8	4	23.5
SOLVENTS RECOVERY	M021-M029	24,936	4.1	4	23.5
OTHER RECOVERY	M031-M039	38	.0	2	11.8
INCINERATION	M041-M049	10,015	1.7	3	17.6
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	159,316	26.3	4	23.5
FUEL BLENDING	M061	42,048	6.9	5	29.4
STABILIZATION	M111-M119	140,280	23.2	4	23.5
LANDFILL	M132	96,831	16.0	2	11.8
TOTAL		605,185	100.0	17	

19 MANAGEMENT METHOD, BY QUANTITY OF RCRA HAZARDOUS WASTE MANAGED
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	159,316	26.3	4	23.5
STABILIZATION	M111-M119	140,280	23.2	4	23.5
METALS RECOVERY (FOR REUSE)	M011-M019	131,719	21.8	4	23.5
LANDFILL	M132	96,831	16.0	2	11.8
FUEL BLENDING	M061	42,048	6.9	5	29.4
SOLVENTS RECOVERY	M021-M029	24,936	4.1	4	23.5
INCINERATION	M041-M049	10,015	1.7	3	17.6
OTHER RECOVERY	M031-M039	38	.0	2	11.8
TOTAL		605,185	100.0	17	

20 MANAGEMENT METHOD AND QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY NUMBER OF FACILITIES,
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
FUEL BLENDING	M061	42,048	6.9	5	29.4
METALS RECOVERY (FOR REUSE)	M011-M019	131,719	21.8	4	23.5
SOLVENTS RECOVERY	M021-M029	24,936	4.1	4	23.5
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	159,316	26.3	4	23.5
STABILIZATION	M111-M119	140,280	23.2	4	23.5
INCINERATION	M041-M049	10,015	1.7	3	17.6
LANDFILL	M132	96,831	16.0	2	11.8
OTHER RECOVERY	M031-M039	38	.0	2	11.8
TOTAL		605,185	100.0	17	

NOTE: FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.
COLUMNS MAY NOT SUM DUE TO ROUNDING.
COLUMNS MAY NOT SUM TO TOTAL BECAUSE FACILITIES MAY HAVE MULTIPLE HANDLING METHODS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

INDIANA

1997 IMPORTS AND EXPORTS

21 QUANTITY OF RCRA HAZARDOUS WASTE IMPORTED: 234,737 TONS

22 QUANTITY OF RCRA HAZARDOUS WASTE EXPORTED: 115,041 TONS

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

IOWA

1997 WASTE GENERATION

1 NUMBER OF RCRA LARGE QUANTITY GENERATORS (LQGS): 182

2 QUANTITY OF RCRA HAZARDOUS WASTE GENERATED: 33,681 TONS

3 FIFTY LARGEST RCRA HAZARDOUS WASTE GENERATORS IN THE STATE, 1997

RANK	EPA ID	SITE NAME	CITY	TOTAL GENERATED (TONS)
1	IAD000223354	NORTH STAR STEEL IOWA	WILTON	5,283
2	IAR0000000216	IPSCO STEEL INC	MUSCATINE	3,068
3	IAD005273594	MONSANTO CO	MUSCATINE	2,744
4	IAD005275540	FORT DODGE ANIMAL HEALTH	CHARLES CITY	2,366
5	IAD984591891	SALSBURY CHEMICALS INC	CHARLES CITY	2,354
6	IAD005272398	DU PONT E I DE NEMOURS & CO INC	FORT MADISON	2,020
7	IAD045372836	EQUISTAR CHEMICALS LP	CLINTON	1,807
8	IAD075846824	3M KNOXVILLE	SAINT PAUL	1,110
9	IAD000805143	COOPER AUTOMOTIVE CO	BURLINGTON	868
10	IAD069619765	EXIDE/GENERAL BATTERY	MANCHESTER	864
11	IAP000001469	I E S UTIL INC - CARROLL FMGP	CARROLL	718
12	IAD980688717	A Y MCDONALD MFG CO	DUBUQUE	689
13	IAD005278502	PELLA CORP	PELLA	425
14	IAD000830018	DEXTER CO	FAIRFIELD	410
15	IAP000001457	I E S UTIL INC - FMGP	VINTON	406
16	IAD981504780	SIOUXLAND GALVANIZING	SIOUX CITY	384
17	IAD069624500	DEERE JOHN - DES MOINES WORKS	ANKENY	382
18	IAP000001488	I E S UTIL INC - CHEROKEE FMGP	CHEROKEE	360
19	IAD005145941	CLOW VALVE CO FOUNDRY	OSKALOOSA	268
20	IAP000001494	NINTH AVENUE PARCEL	COUNCIL BLUFFS	263
21	IAD022047112	CRYOVAC - DIV W R GRACE	CEDAR RAPIDS	257
22	IAT200010098	IOWA PAINT MFG CO INC	DES MOINES	230
23	IAD096526108	GLACIER VANDERVELL INC	ATLANTIC	224
24	IAT200011096	WELLBORN INDUSTRIES LTD	MASON CITY	216
25	IAD050691617	REXAM RELEASE	IOWA CITY	215
26	IAT7213820445	IOWA ARMY AMMUNITION PLANT	MIDDLETOWN	194
27	IAD981506298	PURETHANE INC WEST BRANCH	WEST BRANCH	177
28	IAD000678144	HELENA CHEMICAL CO	DES MOINES	175
29	IAD005300751	WINNEBAGO INDUSTRIES INC	FOREST CITY	166
30	IAD000156422	IOWA STEEL & WIRE CO	CENTERVILLE	164
31	IAD005285689	MAYTAG LAUNDRY PRODUCTS PLANT 2	NEWTON	160
32	IAD001818327	AMERICAN NATIONAL CAN CO	DES MOINES	158
33	IAD981506934	OMEGA CABINETS	WATERLOO	144
34	IAD984568204	UNIVERSAL CIRCUITS INC	LAKE MILLS	141
35	IAD049474380	CRANE CO	WASHINGTON	136
36	IAD078096732	COLOR CONVERTING INDUSTRIES CO	DES MOINES	128
37	IAD073489288	INDUSTRIAL LAMINATES/NORPLEX	POSTVILLE	122
38	IAP000001480	TRANSWOOD INC (ROADSIDE SPILL)	STORY CITY	122
39	IAD000610436	AMANA CO LP	MIDDLE AMANA	120
40	IAD022096028	R V HOPKINS INC	DAVENPORT	118
41	IAD087267175	EXIDE CORP	BURLINGTON	115
42	IAD041580721	VISKASE CORP	CENTERVILLE	113
43	IAD005274071	VERMEER MFG CO	PELLA	112
44	IAD000829978	UNION PACIFIC RAILROAD CO	COUNCIL BLUFFS	98
45	IAD000829911	HON CO OAK STEEL PLT	MUSCATINE	94
46	IAR000003426	MACH III INC	MASON CITY	87
47	IAD065205056	ROCKWELL COLLINS INC	CEDAR RAPIDS	84
48	IAD005272703	GENERAL ELECTRIC E D & C SWITCHGEAR OPER	WEST BURLINGTON	77
49	IAD005287768	FISHER CONTROLS GOVERNOR RD	MARSHALLTOWN	76
50	IAD053737532	CAMCAR/TEXTRON - DECORAH OPERATION	DECORAH	75

TOTAL

31,088

NOTE: STATE MAY HAVE FEWER THAN FIFTY GENERATORS.
GENERATORS WITH ZERO QUANTITY GENERATED ARE EXCLUDED.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

IOWA

1997 WASTE GENERATION, CONTINUED

4 QUANTITIES OF WASTE GENERATED IN 1997 THAT WERE

- REPORTED WITH ONLY CHARACTERISTIC WASTE CODES
- REPORTED WITH ONLY LISTED WASTE CODES
- REPORTED WITH BOTH CHARACTERISTIC AND LISTED WASTE CODES

WASTE HAS ONLY CHARACTERISTIC CODES	TONS OF WASTE GENERATED	WASTE HAS ONLY LISTED CODES	TONS OF WASTE GENERATED	WASTE HAS BOTH CHARACTERISTIC AND LISTED CODES	TONS OF WASTE GENERATED
ONLY IGNITABLE	2,381	ONLY AN F CODE	1,345		
ONLY CORROSIVE	439	ONLY A K CODE	9,936		
ONLY REACTIVE	106	ONLY A P CODE	218		
ONLY D004-17	6,727	ONLY A U CODE	140		
ONLY D018-43	2,022				
HAS MORE THAN ONE CHARACTERISTIC CODE	4,367	HAS MORE THAN ONE LISTED CODE	1		
TOTAL	16,042	TOTAL	11,640	BOTH CHARACTERISTIC & LISTED	6,000

5 QUANTITIES OF WASTE GENERATED IN 1997 THAT WERE MULTIPLY CODED

WASTE HAS ONLY CHARACTERISTIC CODES BUT MORE THAN ONE APPLIES	TONS OF WASTE GENERATED	ONLY LISTED CODES BUT HAS MORE THAN ONE	TONS OF WASTE GENERATED	BOTH CHAR, AND LISTED CODES	TONS OF WASTE GENERATED
HAS IGNITABLE CODE	2,989			IGN. W/ AT LEAST 1 LSTD	5,349
HAS CORROSIVE CODE	3,944			CORR. W/ AT LEAST 1 LSTD	1,013
HAS REACTIVE CODE	2,617			REACT. W/ AT LEAST 1 LSTD	15
HAS D004-D017 CODE	4,107			D004-17 W/ AT LEAST 1 LSTD	2,182
HAS D018-D043 CODE	2,945			D018-43 W/ AT LEAST 1 LSTD	4,207
		HAS AN F CODE	1	F WASTE W/ AT LEAST 1 CHAR	5,734
		HAS A K CODE	0	K WASTE W/ AT LEAST 1 CHAR	231
		HAS A P CODE	0	P WASTE W/ AT LEAST 1 CHAR	25
		HAS A U CODE	1	U WASTE W/ AT LEAST 1 CHAR	130
TOTAL	4,367	TOTAL	1	TOTAL	6,000

NOTE: COLUMNS DO NOT SUM TO TOTAL BECAUSE A WASTE CODE MAY APPLY TO MORE THAN ONE WASTE.
 MIXTURES WITH IGNITABLE, CORROSIVE, REACTIVE, D004-17, AND D018-43 CHARACTERISTIC CODES ALSO MAY
 CONTAIN OTHER CHARACTERISTIC WASTE CODES.
 SIMILARLY, WASTES WITH F,K,P, AND U LISTED CODES MAY HAVE OTHER LISTED WASTE CODES.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

IOWA

1997 WASTE MANAGEMENT

6 NUMBER OF RCRA TSD FACILITIES: 28

7 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED: 3,349 TONS

8 FIFTY LARGEST RCRA HAZARDOUS WASTE MANAGEMENT FACILITIES, 1997

RANK	EPA ID	SITE NAME	CITY	TONS OF WASTE MANAGED
----	-----	-----	----	-----
1	IAD005273594	MONSANTO CO	MUSCATINE	2,592
2	IAD005272398	DU PONT E I DE NEMOURS & CO INC	FORT MADISON	610
3	IAD005278502	PELLA CORP	PELLA	127
4	IA7213820445	IOWA ARMY AMMUNITION PLANT	MIDDLETOWN	19
5	IAT200010601	I S U - CHEMICAL WASTE HANDLING FACILITY	AMES	1
6	IAD005264940	BRAMMER MFG CO	DAVENPORT	0
TOTAL				3,349

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY FACILITIES THAT MANAGED WASTE.
FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

IOWA

1997 WASTE MANAGEMENT, CONTINUED

9 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY MANAGEMENT METHOD, 1997

MANAGEMENT METHOD -----	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS) -----	PERCENTAGE OF QUANTITY -----	NUMBER OF FACILITIES -----	PERCENTAGE OF FACILITIES -----
METALS RECOVERY (FOR REUSE)	M011-M019	7	.2	2	33.3
SOLVENTS RECOVERY	M021-M029	739	22.1	3	50.0
INCINERATION	M041-M049	2,604	77.7	2	33.3
TOTAL		3,349	100.0	6	

10 MANAGEMENT METHOD, BY QUANTITY OF RCRA HAZARDOUS WASTE MANAGED, 1997

MANAGEMENT METHOD -----	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS) -----	PERCENTAGE OF QUANTITY -----	NUMBER OF FACILITIES -----	PERCENTAGE OF FACILITIES -----
INCINERATION	M041-M049	2,604	77.7	2	33.3
SOLVENTS RECOVERY	M021-M029	739	22.1	3	50.0
METALS RECOVERY (FOR REUSE)	M011-M019	7	.2	2	33.3
TOTAL		3,349	100.0	6	

11 MANAGEMENT METHOD AND QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY NUMBER OF FACILITIES, 1997

MANAGEMENT METHOD -----	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS) -----	PERCENTAGE OF QUANTITY -----	NUMBER OF FACILITIES -----	PERCENTAGE OF FACILITIES -----
SOLVENTS RECOVERY	M021-M029	739	22.1	3	50.0
METALS RECOVERY (FOR REUSE)	M011-M019	7	.2	2	33.3
INCINERATION	M041-M049	2,604	77.7	2	33.3
TOTAL		3,349	100.0	6	

NOTE: FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.
COLUMNS MAY NOT SUM DUE TO ROUNDING.
COLUMNS MAY NOT SUM TO TOTAL BECAUSE FACILITIES MAY HAVE MULTIPLE HANDLING METHODS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

IOWA

1997 WASTE SHIPMENTS

12 NUMBER OF RCRA HAZARDOUS WASTE SHIPPERS: 176

13 QUANTITY OF RCRA HAZARDOUS WASTE SHIPPED: 84,693 TONS

14 FIFTY LARGEST RCRA HAZARDOUS WASTE SHIPPERS, 1997

RANK	EPA ID	SITE NAME	CITY	QUANTITY SHIPPED (TONS)
----	-----	-----	----	-----
1	IAD098027592	SAFETY KLEEN CORP - DAVENPORT	DAVENPORT	53,100
2	IAD000223354	NORTH STAR STEEL IOWA	WILTON	5,283
3	IAR000000216	IPSCO STEEL INC	MUSCATINE	3,068
4	IAD005275540	FORT DODGE ANIMAL HEALTH	CHARLES CITY	2,366
5	IAD984591891	SALSBURY CHEMICALS INC	CHARLES CITY	2,337
6	IAD005272398	DU PONT E I DE NEMOURS & CO INC	FORT MADISON	1,901
7	IAD045372836	EQUISTAR CHEMICALS LP	CLINTON	1,807
8	IAD075846824	3M KNOXVILLE	SAINT PAUL	1,112
9	IAD000805143	COOPER AUTOMOTIVE CO	BURLINGTON	868
10	IAD981718000	SAFETY KLEEN CORP - DES MOINES	DES MOINES	823
11	IAD069619765	EXIDE/GENERAL BATTERY	MANCHESTER	731
12	IAP000001469	I E S UTIL INC - CARROLL FMGP	CARROLL	718
13	IAD980688717	A Y MCDONALD MFG CO	DUBUQUE	689
14	IAD005278502	PELLA CORP	PELLA	425
15	IAD000830018	DEXTER CO	FAIRFIELD	410
16	IAP000001457	I E S UTIL INC - FMGP	VINTON	406
17	IA7213820445	IOWA ARMY AMMUNITION PLANT	MIDDLETOWN	397
18	IAD981504780	SIOUXLAND GALVANIZING	SIOUX CITY	384
19	IAD069624500	DEERE JOHN - DES MOINES WORKS	ANKENY	382
20	IAP000001488	I E S UTIL INC - CHEROKEE FMGP	CHEROKEE	360
21	IAD005145941	CLOW VALVE CO FOUNDRY	OSKALOOSA	268
22	IAP000001494	NINTH AVENUE PARCEL	COUNCIL BLUFFS	263
23	IAD022047112	CRYOVAC - DIV W R GRACE	CEDAR RAPIDS	257
24	IAD096526108	GLACIER VANDERVELL INC	ATLANTIC	234
25	IAT200011096	WELLBORN INDUSTRIES LTD	MASON CITY	216
26	IAD050691617	REXAM RELEASE	IOWA CITY	215
27	IAD981506298	PURETHANE INC WEST BRANCH	WEST BRANCH	177
28	IAD000678144	HELENA CHEMICAL CO	DES MOINES	176
29	IAD005300751	WINNEBAGO INDUSTRIES INC	FOREST CITY	166
30	IAD000156422	IOWA STEEL & WIRE CO	CENTERVILLE	164
31	IAD005285689	MAYTAG LAUNDRY PRODUCTS PLANT 2	NEWTON	160
32	IAD005273594	MONSANTO CO	MUSCATINE	148
33	IAD984568204	UNIVERSAL CIRCUITS INC	LAKE MILLS	141
34	IAD049474380	CRANE CO	WASHINGTON	136
35	IAD981506934	OMEGA CABINETS	WATERLOO	136
36	IAD022096028	R V HOPKINS INC	DAVENPORT	132
37	IAD078096732	COLOR CONVERTING INDUSTRIES CO	DES MOINES	131
38	IAD073489288	INDUSTRIAL LAMINATES/NORPLEX	POSTVILLE	122
39	IAP000001480	TRANSWOOD INC (ROADSIDE SPILL)	STORY CITY	122
40	IAD087267175	EXIDE CORP	BURLINGTON	115
41	IAT200010098	IOWA PAINT MFG CO INC	DES MOINES	113
42	IAD005274071	VERMEER MFG CO	PELLA	112
43	IAD041580721	VISKASE CORP	CENTERVILLE	111
44	IAD000610436	AMANA CO LP	MIDDLE AMANA	110
45	IAD000829978	UNION PACIFIC RAILROAD CO	COUNCIL BLUFFS	98
46	IAD000829911	HON CO OAK STEEL PLT	MUSCATINE	94
47	IAD065205056	ROCKWELL COLLINS INC	CEDAR RAPIDS	89
48	IAR000003426	MACH III INC	MASON CITY	87
49	IAD053737532	CAMCAR/TEXTRON - DECORAH OPERATION	DECORAH	75
50	IAD005272703	GENERAL ELECTRIC E D & C SWITCHGEAR OPER	WEST BURLINGTON	74

TOTAL

82,008

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY SHIPPERS.

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NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

IOWA

1997 WASTE RECEIPTS

15 NUMBER OF RCRA HAZARDOUS WASTE RECEIVERS: 5

16 QUANTITY OF RCRA HAZARDOUS WASTE RECEIVED: 1,176 TONS

17 FIFTY LARGEST RCRA HAZARDOUS WASTE RECEIVERS, 1997

RANK	EPA ID	SITE NAME	CITY	QUANTITY RECEIVED (TONS)
----	-----	-----	----	-----
1	IAD098027592	SAFETY KLEEN CORP - DAVENPORT	DAVENPORT	618
2	IAD981718000	SAFETY KLEEN CORP - DES MOINES	DES MOINES	477
3	IAT200010924	UNIVERSITY OF IOWA OAKDALE WT	OAKDALE	46
4	IAT200010601	I S U - CHEMICAL WASTE HANDLING FACILITY	AMES	35
5	IAD005289806	DEERE JOHN - WATERLOO WORKS	WATERLOO	0
TOTAL				1,176

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY FACILITIES THAT RECEIVED WASTE.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

IOWA

1997 WASTE RECEIPTS, CONTINUED

18 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY MANAGEMENT METHOD,
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997

MANAGEMENT METHOD -----	SYSTEM TYPE CODE -----	QUANTITY MANAGED (TONS) -----	PERCENTAGE OF QUANTITY -----	NUMBER OF FACILITIES -----	PERCENTAGE OF FACILITIES -----
SOLVENTS RECOVERY	M021-M029	1	100.0	1	100.0
TOTAL		1	100.0	1	

19 MANAGEMENT METHOD, BY QUANTITY OF RCRA HAZARDOUS WASTE MANAGED
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997

MANAGEMENT METHOD -----	SYSTEM TYPE CODE -----	QUANTITY MANAGED (TONS) -----	PERCENTAGE OF QUANTITY -----	NUMBER OF FACILITIES -----	PERCENTAGE OF FACILITIES -----
SOLVENTS RECOVERY	M021-M029	1	100.0	1	100.0
TOTAL		1	100.0	1	

20 MANAGEMENT METHOD AND QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY NUMBER OF FACILITIES,
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997

MANAGEMENT METHOD -----	SYSTEM TYPE CODE -----	QUANTITY MANAGED (TONS) -----	PERCENTAGE OF QUANTITY -----	NUMBER OF FACILITIES -----	PERCENTAGE OF FACILITIES -----
SOLVENTS RECOVERY	M021-M029	1	100.0	1	100.0
TOTAL		1	100.0	1	

NOTE: FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.
COLUMNS MAY NOT SUM DUE TO ROUNDING.
COLUMNS MAY NOT SUM TO TOTAL BECAUSE FACILITIES MAY HAVE MULTIPLE HANDLING METHODS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

IOWA

1997 IMPORTS AND EXPORTS

21 QUANTITY OF RCRA HAZARDOUS WASTE IMPORTED: 218 TONS

22 QUANTITY OF RCRA HAZARDOUS WASTE EXPORTED: 84,257 TONS

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

KANSAS

1997 WASTE GENERATION

1 NUMBER OF RCRA LARGE QUANTITY GENERATORS (LQGS): 215

2 QUANTITY OF RCRA HAZARDOUS WASTE GENERATED: 1,333,169 TONS

3 FIFTY LARGEST RCRA HAZARDOUS WASTE GENERATORS IN THE STATE, 1997

RANK	EPA ID	SITE NAME	CITY	TOTAL GENERATED (TONS)
1	KSD007482029	VULCAN MATERIALS CO	WICHITA	1,285,739
2	KSD981506025	LAIDLAW ENVIRONMENTAL SERVICES ARAGON	COFFEYVILLE	11,421
3	KSD007249980	ELF ATOCHEM N AMERICA INC	WICHITA	10,076
4	KSD007237241	THE BOEING CO - WICHITA	WICHITA	5,960
5	KSD007233422	TEXACO REFINING AND MARKETING INC	EL DORADO	1,798
6	KSD007138605	FARMLAND INDUSTRIES INC	COFFEYVILLE	1,411
7	KSD007482011	RAYTHEON AIRCRAFT CO	WICHITA	1,335
8	KSD056577810	SHERWIN-WILLIAMS	ANDOVER	1,271
9	KSD007237746	AIR PRODUCTS MFG CORP	WICHITA	1,137
10	KSD981713522	SOMMER ALLIBERT KANSAS CITY PLT	KANSAS CITY	927
11	KSD007145956	NATIONAL COOP REFINERY ASSC	MCPHERSON	909
12	KSD980854285	ALLCO CHEMICAL CORP	RIVERTON	663
13	KSD981126253	GMC FAIRFAX ASSEMBLY PLANT	KANSAS CITY	604
14	KSD087418695	TOTAL PETROLEUM INC	ARKANSAS CITY	582
15	KSD007145907	DELPHI AUTOMOTIVE SYSTEMS	OLATHE	557
16	KS0213820467	KANSAS ARMY AMMUNITION PLANT	PARSONS	528
17	KSD007246846	LAIDLAW ENVIRONMENTAL SVC INC	WICHITA	484
18	KSD000203711	PQ CORP KANSAS CITY	KANSAS CITY	387
19	KSD000809673	CESSNA AIRCRAFT CO MID-CONTINENT FCTY	WICHITA	336
20	KS6214020756	MILITARY INSTALLATION FT RILEY	FORT RILEY	274
21	KSD073314593	EXIDE CORP	SALINA	261
22	KSD007124506	FMC CORP	LAWRENCE	227
23	KSD984967372	UNIVERSAL ENGRAVING	OVERLAND PARK	217
24	KSD007233596	CESSNA AIRCRAFT CO PAWNEE FACILITY	WICHITA	213
25	KSP000000682	RICH RAINNT MFG	SOUTH HUTCHINSON	200
26	KSD007234313	LEARJET INC	WICHITA	197
27	KS3213820878	SUNFLOWER ARMY AMMUNITION PLANT	DE SOTO	193
28	KSD091347898	SINCLAIR OIL CORP	KANSAS CITY	188
29	KST210010203	CHASE TRANSP CO	EL DORADO	178
30	KSR000001743	ASTOR UNIVERSAL NATIONAL FAC	LAWRENCE	171
31	KSD000651307	CERTAIN TEED CORP	KANSAS CITY	152
32	KSD980739999	HERCULES CEMENT CO	INDEPENDENCE	138
33	KSR000001404	K C COATINGS	SHAWNEE	134
34	KSR000005033	DYMON INC	OLATHE	133
35	KSD000819086	PUEBLO CHEMICAL & SUPPLY CO	GARDEN CITY	124
36	KSD042387142	PRESTIGE INC	NEODESHA	119
37	KSD073323081	AIR CAPITOL PLATING INC	WICHITA	119
38	KSD981711260	PLASTIC PACKAGING CORP	KANSAS CTTY	117
39	KSD007127046	LOCTITE CORP	KANSAS CITY	117
40	KSD058924689	GNB INC	KANSAS CITY	108
41	KSD043063247	PANHANDLE EASTERN PIPE LINE CO/HUGOTON	HUGOTON	106
42	KSD062721956	PACKAGING PRODUCTS CORP	MISSION	100
43	KSD043941590	PHILIPS LIGHTING CO	SALINA	90
44	KSD000687699	CHASE TERMINAL CO	SCOTT CITY	87
45	KSP000000707	M R V INC	TOPEKA	84
46	KSD007128846	PEERLESS PRODUCTS INC	FORT SCOTT	80
47	KSD007129695	GOODYEAR TIRE & RUBBER CO	TOPEKA	79
48	KSD094338084	SMITH FIBERGLASS PRODUCTS CO	WICHITA	74
49	KSD007130032	PROCTER & GAMBLE MFG CO	KANSAS CITY	74
50	KSD980687958	WILKO PAINT INC	WICHITA	74

TOTAL

1,330,553

NOTE: STATE MAY HAVE FEWER THAN FIFTY GENERATORS.
GENERATORS WITH ZERO QUANTITY GENERATED ARE EXCLUDED.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

KANSAS

1997 WASTE GENERATION, CONTINUED

4 QUANTITIES OF WASTE GENERATED IN 1997 THAT WERE

- REPORTED WITH ONLY CHARACTERISTIC WASTE CODES
- REPORTED WITH ONLY LISTED WASTE CODES
- REPORTED WITH BOTH CHARACTERISTIC AND LISTED WASTE CODES

WASTE HAS ONLY CHARACTERISTIC CODES	TONS OF WASTE GENERATED	WASTE HAS ONLY LISTED CODES	TONS OF WASTE GENERATED	WASTE HAS BOTH CHARACTERISTIC AND LISTED CODES	TONS OF WASTE GENERATED
ONLY IGNITABLE	706	ONLY AN F CODE	4,106		
ONLY CORROSIVE	499	ONLY A K CODE	1,506		
ONLY REACTIVE	54	ONLY A P CODE	1		
ONLY D004-17	2,859	ONLY A U CODE	566		
ONLY D018-43	745				
HAS MORE THAN ONE CHARACTERISTIC CODE	12,645	HAS MORE THAN ONE LISTED CODE	1,645		
TOTAL	17,507	TOTAL	7,824	BOTH CHARACTERISTIC & LISTED	1,307,805

5 QUANTITIES OF WASTE GENERATED IN 1997 THAT WERE MULTIPLY CODED

WASTE HAS ONLY CHARACTERISTIC CODES BUT MORE THAN ONE APPLIES	TONS OF WASTE GENERATED	ONLY LISTED CODES BUT HAS MORE THAN ONE	TONS OF WASTE GENERATED	BOTH CHAR, AND LISTED CODES	TONS OF WASTE GENERATED
HAS IGNITABLE CODE	1,600			IGN. W/ AT LEAST 1 LSTD	7,618
HAS CORROSIVE CODE	10,625			CORR. W/ AT LEAST 1 LSTD	1,288,962
HAS REACTIVE CODE	594			REACT. W/ AT LEAST 1 LSTD	240
HAS D004-D017 CODE	1,670			D004-17 W/ AT LEAST 1 LSTD	1,303,089
HAS D018-D043 CODE	11,636			D018-43 W/ AT LEAST 1 LSTD	1,292,084
		HAS AN F CODE	1,628	F WASTE W/ AT LEAST 1 CHAR	1,307,453
		HAS A K CODE	1,329	K WASTE W/ AT LEAST 1 CHAR	1,294,962
		HAS A P CODE	113	P WASTE W/ AT LEAST 1 CHAR	8,510
		HAS A U CODE	333	U WASTE W/ AT LEAST 1 CHAR	1,296,188
TOTAL	12,645	TOTAL	1,645	TOTAL	1,307,805

NOTE: COLUMNS DO NOT SUM TO TOTAL BECAUSE A WASTE CODE MAY APPLY TO MORE THAN ONE WASTE.
 MIXTURES WITH IGNITABLE, CORROSIVE, REACTIVE, D004-17, AND D018-43 CHARACTERISTIC CODES ALSO MAY
 CONTAIN OTHER CHARACTERISTIC WASTE CODES.
 SIMILARLY, WASTES WITH F,K,P, AND U LISTED CODES MAY HAVE OTHER LISTED WASTE CODES.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

KANSAS

1997 WASTE MANAGEMENT

6 NUMBER OF RCRA TSD FACILITIES: 24

7 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED: 1,558,943 TONS

8 FIFTY LARGEST RCRA HAZARDOUS WASTE MANAGEMENT FACILITIES, 1997

RANK	EPA ID	SITE NAME	CITY	TONS OF WASTE MANAGED
----	-----	-----	----	-----
1	KSD007482029	VULCAN MATERIALS CO	WICHITA	1,437,349
2	KSD980633259	SYSTECH ENVIRONMENTAL CORP	FREDONIA	55,196
3	KSD031203318	ASH GROVE CEMENT PLANT	CHANUTE	30,863
4	KSD980739999	HERCULES CEMENT CO	INDEPENDENCE	22,792
5	KSD981506025	LAIDLAW ENVIRONMENTAL SERVICES ARAGON	COFFEYVILLE	11,330
6	KSD007237746	AIR PRODUCTS MFG CORP	WICHITA	1,100
7	KS0213820467	KANSAS ARMY AMMUNITION PLANT	PARSONS	221
8	KSD000809715	VAN WATERS & ROGERS INC	WICHITA	81
9	KSD007246846	LAIDLAW ENVIRONMENTAL SVC INC	WICHITA	10
10	KSD007148034	LAFARGE CORP	FREDONIA	1
TOTAL				1,558,943

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
 STATE MAY HAVE FEWER THAN FIFTY FACILITIES THAT MANAGED WASTE.
 FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

KANSAS

1997 WASTE MANAGEMENT, CONTINUED

9 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY MANAGEMENT METHOD, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
SOLVENTS RECOVERY	M021-M029	2,957	.2	1	10.0
INCINERATION	M041-M049	8,621	.6	5	50.0
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	54,756	3.5	4	40.0
FUEL BLENDING	M061	55,277	3.5	2	20.0
DEEPWELL / UNDERGROUND INJECTION	M134	1,437,332	92.2	1	10.0
TOTAL		1,558,943	100.0	10	

10 MANAGEMENT METHOD, BY QUANTITY OF RCRA HAZARDOUS WASTE MANAGED, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
DEEPWELL / UNDERGROUND INJECTION	M134	1,437,332	92.2	1	10.0
FUEL BLENDING	M061	55,277	3.5	2	20.0
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	54,756	3.5	4	40.0
INCINERATION	M041-M049	8,621	.6	5	50.0
SOLVENTS RECOVERY	M021-M029	2,957	.2	1	10.0
TOTAL		1,558,943	100.0	10	

11 MANAGEMENT METHOD AND QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY NUMBER OF FACILITIES, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
INCINERATION	M041-M049	8,621	.6	5	50.0
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	54,756	3.5	4	40.0
FUEL BLENDING	M061	55,277	3.5	2	20.0
DEEPWELL / UNDERGROUND INJECTION	M134	1,437,332	92.2	1	10.0
SOLVENTS RECOVERY	M021-M029	2,957	.2	1	10.0
TOTAL		1,558,943	100.0	10	

NOTE: FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.
COLUMNS MAY NOT SUM DUE TO ROUNDING.
COLUMNS MAY NOT SUM TO TOTAL BECAUSE FACILITIES MAY HAVE MULTIPLE HANDLING METHODS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

KANSAS

1997 WASTE SHIPMENTS

12 NUMBER OF RCRA HAZARDOUS WASTE SHIPPERS: 207

13 QUANTITY OF RCRA HAZARDOUS WASTE SHIPPED: 137,709 TONS

14 FIFTY LARGEST RCRA HAZARDOUS WASTE SHIPPERS, 1997

RANK	EPA ID	SITE NAME	CITY	QUANTITY SHIPPED (TONS)
----	-----	-----	----	-----
1	KSD980633259	SYSTECH ENVIRONMENTAL CORP	FREDONIA	79,382
2	KSD007246846	LAIDLAW ENVIRONMENTAL SVC INC	WICHITA	15,474
3	KSD007249980	ELF ATOCHEM N AMERICA INC	WICHITA	10,076
4	KSD981506025	LAIDLAW ENVIRONMENTAL SERVICES ARAGON	COFFEYVILLE	7,576
5	KSD007237241	THE BOEING CO - WICHITA	WICHITA	5,922
6	KSD007233422	TEXACO REFINING AND MARKETING INC	EL DORADO	1,518
7	KSD007138605	FARMLAND INDUSTRIES INC	COFFEYVILLE	1,411
8	KSD007482011	RAYTHEON AIRCRAFT CO	WICHITA	1,335
9	KSD056577810	SHERWIN-WILLIAMS	ANDOVER	1,271
10	KSD981713522	SOMMER ALLIBERT KANSAS CITY PLT	KANSAS CITY	927
11	KSD980973515	SAFETY KLEEN CORP	EDWARDSVILLE	919
12	KSD000809723	SAFETY KLEEN CORP	WICHITA	871
13	KSD057889313	ASHLAND CHEMICAL CO	KANSAS CITY	638
14	KSD981126253	GMC FAIRFAX ASSEMBLY PLANT	KANSAS CITY	590
15	KSD087418695	TOTAL PETROLEUM INC	ARKANSAS CITY	582
16	KSD007145907	DELPHI AUTOMOTIVE SYSTEMS	OLATHE	557
17	KSD980854285	ALLCO CHEMICAL CORP	RIVERTON	552
18	KSD000203711	PQ CORP KANSAS CITY	KANSAS CITY	447
19	KSD980686844	SAFETY KLEEN CORP	DODGE CITY	358
20	KSD007145956	NATIONAL COOP REFINERY ASSC	MCPHERSON	350
21	KSD000809673	CESSNA AIRCRAFT CO MID-CONTINENT FCTY	WICHITA	336
22	KSD007482029	VULCAN MATERIALS CO	WICHITA	325
23	KS6214020756	MILITARY INSTALLATION FT RILEY	FORT RILEY	273
24	KSD073314593	EXIDE CORP	SALINA	261
25	KSD007124506	FMC CORP	LAWRENCE	244
26	KSD007233596	CESSNA AIRCRAFT CO PAWNEE FACILITY	WICHITA	213
27	KSP000000682	RICH RAIN T MFG	SOUTH HUTCHINSON	200
28	KSD007234313	LEARJET INC	WICHITA	197
29	KS3213820878	SUNFLOWER ARMY AMMUNITION PLANT	DE SOTO	191
30	KSD091347898	SINCLAIR OIL CORP	KANSAS CITY	188
31	KST210010203	CHASE TRANSP CO	EL DORADO	178
32	KSD000651307	CERTAIN TEED CORP	KANSAS CITY	152
33	KSR000001404	K C COATINGS	SHAWNEE	134
34	KSD000819086	PUEBLO CHEMICAL & SUPPLY CO	GARDEN CITY	124
35	KSR0000005033	DYMON INC	OLATHE	120
36	KSD981711260	PLASTIC PACKAGING CORP	KANSAS CTTY	117
37	KSD007127046	LOCTITE CORP	KANSAS CITY	117
38	KSD073323081	AIR CAPITOL PLATING INC	WICHITA	116
39	KSD058924689	GNB INC	KANSAS CITY	108
40	KSD043063247	PANHANDLE EASTERN PIPE LINE CO/HUGOTON	HUGOTON	106
41	KSD043941590	PHILIPS LIGHTING CO	SALINA	90
42	KSD000687699	CHASE TERMINAL CO	SCOTT CITY	87
43	KSP000000707	M R V INC	TOPEKA	84
44	KSR000001743	ASTOR UNIVERSAL NATIONAL FAC	LAWRENCE	84
45	KSD007128846	PEERLESS PRODUCTS INC	FORT SCOTT	80
46	KSD007129695	GOODYEAR TIRE & RUBBER CO	TOPEKA	79
47	KSD007130032	PROCTER & GAMBLE MFG CO	KANSAS CITY	74
48	KSD007120751	PURITAN BENNETT AERO SYS CO	LENEXA	74
49	KSD093503498	BINNEY & SMITH INC	WINFIELD	72
50	KS0000205856	FIBERGLASS ENGINEERING INC	NEODESHA	69

TOTAL

135,248

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY SHIPPERS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

KANSAS

1997 WASTE RECEIPTS

15 NUMBER OF RCRA HAZARDOUS WASTE RECEIVERS: 12

16 QUANTITY OF RCRA HAZARDOUS WASTE RECEIVED: 282,466 TONS

17 FIFTY LARGEST RCRA HAZARDOUS WASTE RECEIVERS, 1997

RANK	EPA ID	SITE NAME	CITY	QUANTITY RECEIVED (TONS)
----	-----	-----	----	-----
1	KSD007482029	VULCAN MATERIALS CO	WICHITA	151,935
2	KSD980633259	SYSTECH ENVIRONMENTAL CORP	FREDONIA	55,196
3	KSD031203318	ASH GROVE CEMENT PLANT	CHANUTE	30,841
4	KSD980739999	HERCULES CEMENT CO	INDEPENDENCE	22,722
5	KSD007246846	LAIDLAW ENVIRONMENTAL SVC INC	WICHITA	11,935
6	KSD981506025	LAIDLAW ENVIRONMENTAL SERVICES ARAGON	COFFEYVILLE	7,412
7	KSD000809723	SAFETY KLEEN CORP	WICHITA	808
8	KSD980973515	SAFETY KLEEN CORP	EDWARDSVILLE	661
9	KSD057889313	ASHLAND CHEMICAL CO	KANSAS CITY	447
10	KSD980686844	SAFETY KLEEN CORP	DODGE CITY	299
11	KS0213820467	KANSAS ARMY AMMUNITION PLANT	PARSONS	129
12	KSD000809715	VAN WATERS & ROGERS INC	WICHITA	81

TOTAL				282,466
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NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY FACILITIES THAT RECEIVED WASTE.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

KANSAS

1997 WASTE RECEIPTS, CONTINUED

18 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY MANAGEMENT METHOD,
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
INCINERATION	M041-M049	7,541	2.8	3	42.9
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	53,563	20.0	2	28.6
FUEL BLENDING	M061	55,277	20.6	2	28.6
DEEPWELL / UNDERGROUND INJECTION	M134	151,935	56.6	1	14.3
TOTAL		268,316	100.0	7	

19 MANAGEMENT METHOD, BY QUANTITY OF RCRA HAZARDOUS WASTE MANAGED
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
DEEPWELL / UNDERGROUND INJECTION	M134	151,935	56.6	1	14.3
FUEL BLENDING	M061	55,277	20.6	2	28.6
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	53,563	20.0	2	28.6
INCINERATION	M041-M049	7,541	2.8	3	42.9
TOTAL		268,316	100.0	7	

20 MANAGEMENT METHOD AND QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY NUMBER OF FACILITIES,
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
INCINERATION	M041-M049	7,541	2.8	3	42.9
FUEL BLENDING	M061	55,277	20.6	2	28.6
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	53,563	20.0	2	28.6
DEEPWELL / UNDERGROUND INJECTION	M134	151,935	56.6	1	14.3
TOTAL		268,316	100.0	7	

NOTE: FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.
COLUMNS MAY NOT SUM DUE TO ROUNDING.
COLUMNS MAY NOT SUM TO TOTAL BECAUSE FACILITIES MAY HAVE MULTIPLE HANDLING METHODS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

KANSAS

1997 IMPORTS AND EXPORTS

21	QUANTITY OF RCRA HAZARDOUS WASTE IMPORTED:	117,719 TONS
22	QUANTITY OF RCRA HAZARDOUS WASTE EXPORTED:	36,336 TONS

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

KENTUCKY

1997 WASTE GENERATION

1 NUMBER OF RCRA LARGE QUANTITY GENERATORS (LQGS): 348

2 QUANTITY OF RCRA HAZARDOUS WASTE GENERATED: 192,318 TONS

3 FIFTY LARGEST RCRA HAZARDOUS WASTE GENERATORS IN THE STATE, 1997

RANK	EPA ID	SITE NAME	CITY	TOTAL GENERATED (TONS)
----	-----	-----	----	-----
1	KYD053348108	SAFETY-KLEEN CORP.	SMITHFIELD	50,832
2	KYD985115237	GALLATIN STEEL COMPANY	WARSAW	27,727
3	KYD006390017	ROHM & HAAS KY, INC.	LOUISVILLE	13,764
4	KYD088438817	LWD INC	CALVERT CITY	10,351
5	KYD041376138	ASHLAND PETROLEUM COMPANY	CATLETTSBURG	8,061
6	KYD006370175	ISP CHEMICALS INC.	CALVERT CITY	6,692
7	KYD991277112	NEWPORT STEEL CORP WILDER PLANT	WILDER	5,257
8	KYD161955380	TOYOTA MOTOR MANUFACTURING USA. INC.	GEORGETOWN	3,545
9	KYD006373922	ELF ATOCHEM NORTH AMERICA	CARROLLTON	3,473
10	KYR000004994	DUPONT DOW ELASTOMERS LLC	LOUISVILLE	3,388
11	KYD053351227	FORD MOTOR CO. - KY. TRUCK PLANT	LOUISVILLE	3,369
12	KYD000207282	KENTUCKY ELECTRIC STEEL, INC.	ASHLAND	3,240
13	KYD049062375	NSA, DIVISION OF SOUTHWIRE COMPANY	HAWESVILLE	3,098
14	KYD006370159	ELF ATOCHEM NORTH AMERICA INC.	CALVERT CITY	2,823
15	KYD985079797	BEKAERT CORPORATION	SHELBYVILLE	2,765
16	KYD082390394	SHERWIN WILLIAMS CO	RICHMOND	2,442
17	KYD070814033	AKZO NOBEL RESINS	LOUISVILLE	2,002
18	KYD058692526	ALCAN INGOT, SEBREE ALUMINUM PLANT	HENDERSON	1,915
19	KYD042943985	DOW CORNING CORPORATION	CARROLLTON	1,852
20	KY0000693424	STEEL TECHNOLOGIES INC.	GHEAT	1,765
21	KYD053350229	VANDERBILT CHEMICAL CORPORATION	MURRAY	1,251
22	KYD005013032	AK STEEL CORPORATION (COKE PLANT)	ASHLAND	1,229
23	KYD071315899	FORD MOTOR COMPANY-LOU. ASSEMBLY PLANT	LOUISVILLE	1,219
24	KYD062951801	GREEN RIVER STEEL CORPORATION	OWENSBORO	1,195
25	KY8213820105	BLUEGRASS ARMY DEPOT RICHMOND	RICHMOND	1,042
26	KYD981027469	SAFETY-KLEEN CORP. (-4-090-01)	LEXINGTON	874
27	KY0001002450	SHERWIN-WILLIAMS AUTOMOTIVE DIST	RICHMOND	844
28	KYD981753197	AMBRAKE CORPORATION	ELIZABETHTOWN	813
29	KYD005009923	CALGON CARBON CORPORATION	CATLETTSBURG	781
30	KYD055831838	AIR PRODUCTS AND CHEMICALS, INC.	CALVERT CITY	748
31	KYD985072156	WORLD SOURCE COIL COATING, INC.	HAWESVILLE	728
32	KYD000821942	MIDWEST ENVIRONMENTAL	LOUISVILLE	701
33	KYD062979158	KENDALL COMPANY	FRANKLIN	609
34	KYD006396246	OLIN CORPORATION	BRANDENBURG	564
35	KYD058691031	COMMONWEALTH ALUMINUM CORPORATION	LEWISPORT	532
36	KYD045739471	AMERICAN GREETINGS CORPORATION	CORBIN	530
37	KYD066899766	ATR WIRE & CABLE CO INC	DANVILLE	529
38	KYD981852502	COOPER INDUSTRIES/NATIONAL ELECTRIC	DAYHOIT	526
39	KYD006383392	KOPPERS INDUSTRIES	GUTHRIE	526
40	KYD070219571	YUASA-EXIDE, INC.	RICHMOND	522
41	KYD006384531	HARSHAW CHEMICAL CO	LOUISVILLE	488
42	KYD005383385	GAMCO PRODUCTS COMPANY	HENDERSON	483
43	KYD981029457	EXCEL MANUFACTURING OF KENTUCKY	FULTON	475
44	KYD985083146	REGIONAL AIRPORT AUTHORITY OF LOUISVILLE	LOUISVILLE	437
45	KYD981027451	SAFETY-KLEEN CORP. (4-075-01)	ASHLAND	422
46	KYD094203213	QUEBECOR PRINTING FRANKLIN	FRANKLIN	414
47	KYD006370167	BF GOODRICH	CALVERT CITY	407
48	KYR000010132	SOUTHSHORE TERMINAL INC	SILLOAM	386
49	KYD981923147	CONTECH CONSTRUCTION PRODUCTS, INC.	WINCHESTER	370
50	KYD006382253	COURTAULDS COATINGS INC	LOUISVILLE	366

TOTAL

178,372

NOTE: STATE MAY HAVE FEWER THAN FIFTY GENERATORS.
GENERATORS WITH ZERO QUANTITY GENERATED ARE EXCLUDED.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

KENTUCKY

1997 WASTE GENERATION, CONTINUED

4 QUANTITIES OF WASTE GENERATED IN 1997 THAT WERE

- REPORTED WITH ONLY CHARACTERISTIC WASTE CODES
 - REPORTED WITH ONLY LISTED WASTE CODES
 - REPORTED WITH BOTH CHARACTERISTIC AND LISTED WASTE CODES

WASTE HAS ONLY CHARACTERISTIC CODES	TONS OF WASTE GENERATED	WASTE HAS ONLY LISTED CODES	TONS OF WASTE GENERATED	WASTE HAS BOTH CHARACTERISTIC AND LISTED CODES	TONS OF WASTE GENERATED
ONLY IGNITABLE	20,217	ONLY AN F CODE	20,233		
ONLY CORROSIVE	2,356	ONLY A K CODE	49,456		
ONLY REACTIVE	294	ONLY A P CODE	3		
ONLY D004-17	5,593	ONLY A U CODE	398		
ONLY D018-43	3,231				
HAS MORE THAN ONE CHARACTERISTIC CODE	17,529	HAS MORE THAN ONE LISTED CODE	8		
TOTAL	49,219	TOTAL	70,098	BOTH CHARACTERISTIC & LISTED	72,979

5 QUANTITIES OF WASTE GENERATED IN 1997 THAT WERE MULTIPLY CODED

WASTE HAS ONLY CHARACTERISTIC CODES BUT MORE THAN ONE APPLIES	TONS OF WASTE GENERATED	ONLY LISTED CODES BUT HAS MORE THAN ONE	TONS OF WASTE GENERATED	BOTH CHAR, AND LISTED CODES	TONS OF WASTE GENERATED
HAS IGNITABLE CODE	12,314			IGN. W/ AT LEAST 1 LSTD	67,259
HAS CORROSIVE CODE	2,033			CORR. W/ AT LEAST 1 LSTD	2,908
HAS REACTIVE CODE	3,969			REACT. W/ AT LEAST 1 LSTD	463
HAS D004-D017 CODE	8,653			D004-17 W/ AT LEAST 1 LSTD	10,444
HAS D018-D043 CODE	11,484			D018-43 W/ AT LEAST 1 LSTD	12,215
		HAS AN F CODE	8	F WASTE W/ AT LEAST 1 CHAR	68,694
		HAS A K CODE	0	K WASTE W/ AT LEAST 1 CHAR	4,543
		HAS A P CODE	0	P WASTE W/ AT LEAST 1 CHAR	1
		HAS A U CODE	8	U WASTE W/ AT LEAST 1 CHAR	276
TOTAL	17,529	TOTAL	8	TOTAL	72,979

NOTE: COLUMNS DO NOT SUM TO TOTAL BECAUSE A WASTE CODE MAY APPLY TO MORE THAN ONE WASTE.
 MIXTURES WITH IGNITABLE, CORROSIVE, REACTIVE, D004-17, AND D018-43 CHARACTERISTIC CODES ALSO MAY
 CONTAIN OTHER CHARACTERISTIC WASTE CODES.
 SIMILARLY, WASTES WITH F,K,P, AND U LISTED CODES MAY HAVE OTHER LISTED WASTE CODES.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

KENTUCKY

1997 WASTE MANAGEMENT

6 NUMBER OF RCRA TSD FACILITIES: 28

7 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED: 85,575 TONS

8 FIFTY LARGEST RCRA HAZARDOUS WASTE MANAGEMENT FACILITIES, 1997

RANK	EPA ID	SITE NAME	CITY	TONS OF WASTE MANAGED
----	-----	-----	----	-----
1	KYD088438817	LWD INC	CALVERT CITY	30,383
2	KYD053348108	SAFETY-KLEEN CORP.	SMITHFIELD	26,547
3	KYD006390017	ROHM & HAAS KY, INC.	LOUISVILLE	13,449
4	KYD005009923	CALGON CARBON CORPORATION	CATLETTSBURG	7,125
5	KYD006373922	ELF ATOCHEM NORTH AMERICA	CARROLLTON	2,597
6	KYD006370159	ELF ATOCHEM NORTH AMERICA INC.	CALVERT CITY	2,271
7	KYD985073196	LWD SANITARY LANDFILL, INC.	CALVERT CITY	2,234
8	KYD000821942	MIDWEST ENVIRONMENTAL	LOUISVILLE	862
9	KYD000770313	ENVIRONMENTAL CONSERVATION SYSTEMS, INC.	BROOKS	76
10	KY6210020479	USAARMC AND FORT KNOX	FORT KNOX	28
11	KYD044914356	UNIVERSAL FASTENERS INC.	LAWRENCEBURG	1
11	KYD980840029	UNIVERSITY OF LOUISVILLE	LOUISVILLE	1
TOTAL				85,575

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY FACILITIES THAT MANAGED WASTE.
FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

KENTUCKY

1997 WASTE MANAGEMENT, CONTINUED

9 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY MANAGEMENT METHOD, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
METALS RECOVERY (FOR REUSE)	M011-M019	29	.0	2	16.7
SOLVENTS RECOVERY	M021-M029	748	.9	2	16.7
OTHER RECOVERY	M031-M039	7,125	8.3	1	8.3
INCINERATION	M041-M049	35,251	41.2	3	25.0
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	13,449	15.7	1	8.3
FUEL BLENDING	M061	26,739	31.2	3	25.0
STABILIZATION	M111-M119	2,234	2.6	1	8.3
TOTAL		85,575	100.0	12	

10 MANAGEMENT METHOD, BY QUANTITY OF RCRA HAZARDOUS WASTE MANAGED, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
INCINERATION	M041-M049	35,251	41.2	3	25.0
FUEL BLENDING	M061	26,739	31.2	3	25.0
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	13,449	15.7	1	8.3
OTHER RECOVERY	M031-M039	7,125	8.3	1	8.3
STABILIZATION	M111-M119	2,234	2.6	1	8.3
SOLVENTS RECOVERY	M021-M029	748	.9	2	16.7
METALS RECOVERY (FOR REUSE)	M011-M019	29	.0	2	16.7
TOTAL		85,575	100.0	12	

11 MANAGEMENT METHOD AND QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY NUMBER OF FACILITIES, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
FUEL BLENDING	M061	26,739	31.2	3	25.0
INCINERATION	M041-M049	35,251	41.2	3	25.0
METALS RECOVERY (FOR REUSE)	M011-M019	29	.0	2	16.7
SOLVENTS RECOVERY	M021-M029	748	.9	2	16.7
OTHER RECOVERY	M031-M039	7,125	8.3	1	8.3
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	13,449	15.7	1	8.3
STABILIZATION	M111-M119	2,234	2.6	1	8.3
TOTAL		85,575	100.0	12	

NOTE: FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.
COLUMNS MAY NOT SUM DUE TO ROUNDING.
COLUMNS MAY NOT SUM TO TOTAL BECAUSE FACILITIES MAY HAVE MULTIPLE HANDLING METHODS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

KENTUCKY

1997 WASTE SHIPMENTS

12 NUMBER OF RCRA HAZARDOUS WASTE SHIPPERS: 328

13 QUANTITY OF RCRA HAZARDOUS WASTE SHIPPED: 190,550 TONS

14 FIFTY LARGEST RCRA HAZARDOUS WASTE SHIPPERS, 1997

RANK	EPA ID	SITE NAME	CITY	QUANTITY SHIPPED (TONS)
----	-----	-----	----	-----
1	KYD053348108	SAFETY-KLEEN CORP.	SMITHFIELD	47,223
2	KYD088438817	LWD INC	CALVERT CITY	28,363
3	KYD985115237	GALLATIN STEEL COMPANY	WARSAW	27,727
4	KYD985073196	LWD SANITARY LANDFILL, INC.	CALVERT CITY	10,165
5	KYD006370175	ISP CHEMCIALS INC.	CALVERT CITY	6,692
6	KYD991277112	NEWPORT STEEL CORP WILDER PLANT	WILDER	5,257
7	KYD161955380	TOYOTA MOTOR MANUFACTURING USA. INC.	GEORGETOWN	3,441
8	KYR000004994	DUPONT DOW ELASTOMERS LLC	LOUISVILLE	3,388
9	KYD053351227	FORD MOTOR CO. - KY. TRUCK PLANT	LOUISVILLE	3,369
10	KYD000207282	KENTUCKY ELECTRIC STEEL, INC.	ASHLAND	3,240
11	KYD049062375	NSA, DIVISION OF SOUTHWIRE COMPANY	HAWESVILLE	3,125
12	KYD985079797	BEKAERT CORPORATION	SHELBYVILLE	2,765
13	KYD082390394	SHERWIN WILLIAMS CO	RICHMOND	2,442
14	KYD058692526	ALCAN INGOT, SEBREE ALUMINUM PLANT	HENDERSON	1,915
15	KYD042943985	DOW CORNING CORPORATION	CARROLLTON	1,852
16	KY0000693424	STEEL TECHNOLOGIES INC.	GHENT	1,765
17	KYD041376138	ASHLAND PETROLEUM COMPANY	CATLETTSBURG	1,673
18	KYD053350229	VANDERBILT CHEMICAL CORPORATION	MURRAY	1,251
19	KYD005013032	AK STEEL CORPORATION (COKE PLANT)	ASHLAND	1,229
20	KYD071315899	FORD MOTOR COMPANY-LOU. ASSEMBLY PLANT	LOUISVILLE	1,219
21	KYD062951801	GREEN RIVER STEEL CORPORATION	OWENSBORO	1,195
22	KYD981027469	SAFETY-KLEEN CORP. (-4-090-01)	LEXINGTON	934
23	KYD006373922	ELF ATOCHEM NORTH AMERICA	CARROLLTON	876
24	KY0001002450	SHERWIN-WILLIAMS AUTOMOTIVE DIST	RICHMOND	844
25	KYD000821942	MIDWEST ENVIRONMENTAL	LOUISVILLE	835
26	KYD070814033	AKZO NOBEL RESINS	LOUISVILLE	831
27	KYD981753197	AMBRAKE CORPORATION	ELIZABETHTOWN	813
28	KYD005009923	CALGON CARBON CORPORATION	CATLETTSBURG	781
29	KY8213820105	BLUEGRASS ARMY DEPOT RICHMOND	RICHMOND	769
30	KYD055831838	AIR PRODUCTS AND CHEMICALS, INC.	CALVERT CITY	748
31	KYD985072156	WORLDSCOPE COIL COATING, INC.	HAWESVILLE	728
32	KYD062979158	KENDALL COMPANY	FRANKLIN	609
33	KYD006370159	ELF ATOCHEM NORTH AMERICA INC.	CALVERT CITY	577
34	KYD006396246	OLIN CORPORATION	BRANDENBURG	564
35	KYD058691031	COMMONWEALTH ALUMINUM CORPORATION	LEWISPORT	532
36	KYD066899766	ATR WIRE & CABLE CO INC	DANVILLE	529
37	KYD981852502	COOPER INDUSTRIES/NATIONAL ELECTRIC	DAYHOIT	526
38	KYD006383392	KOPPERS INDUSTRIES	GUTHRIE	526
39	KYD070219571	YUASA-EXIDE, INC.	RICHMOND	522
40	KYD981027451	SAFETY-KLEEN CORP. (4-075-01)	ASHLAND	506
41	KYD006384531	HARSHAW CHEMICAL CO	LOUISVILLE	488
42	KYD005383385	GAMCO PRODUCTS COMPANY	HENDERSON	483
43	KYD981029457	EXCEL MANUFACTURING OF KENTUCKY	FULTON	475
44	KYD045739471	AMERICAN GREETINGS CORPORATION	CORBIN	472
45	KYD006370167	BF GOODRICH	CALVERT CITY	449
46	KYD985083146	REGIONAL AIRPORT AUTHORITY OF LOUISVILLE	LOUISVILLE	437
47	KYR000010132	SOUTHSHORE TERMINAL INC	SILLOAM	386
48	KYD981923147	CONTECH CONSTRUCTION PRODUCTS, INC.	WINCHESTER	370
49	KYD006382253	COURTAULDS COATINGS INC	LOUISVILLE	366
50	KYD980837777	BLUEGRASS PLATING CO.	RICHMOND	341

TOTAL

176,613

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY SHIPPERS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

KENTUCKY

1997 WASTE RECEIPTS

15 NUMBER OF RCRA HAZARDOUS WASTE RECEIVERS: 8

16 QUANTITY OF RCRA HAZARDOUS WASTE RECEIVED: 95,693 TONS

17 FIFTY LARGEST RCRA HAZARDOUS WASTE RECEIVERS, 1997

RANK	EPA ID	SITE NAME	CITY	QUANTITY RECEIVED (TONS)
----	-----	-----	----	-----
1	KYD053348108	SAFETY-KLEEN CORP.	SMITHFIELD	35,543
2	KYD088438817	LWD INC	CALVERT CITY	30,993
3	KYD985073196	LWD SANITARY LANDFILL, INC.	CALVERT CITY	20,899
4	KYD005009923	CALGON CARBON CORPORATION	CATLETTSBURG	7,125
5	KYD000821942	MIDWEST ENVIRONMENTAL	LOUISVILLE	988
6	KYD981027451	SAFETY-KLEEN CORP. (4-075-01)	ASHLAND	80
7	KYD981027469	SAFETY-KLEEN CORP. (-4-090-01)	LEXINGTON	60
8	KYD980840029	UNIVERSITY OF LOUISVILLE	LOUISVILLE	4
TOTAL				95,693

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY FACILITIES THAT RECEIVED WASTE.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

KENTUCKY

1997 WASTE RECEIPTS, CONTINUED

18 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY MANAGEMENT METHOD,
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
SOLVENTS RECOVERY	M021-M029	747	1.1	1	20.0
OTHER RECOVERY	M031-M039	7,125	10.6	1	20.0
INCINERATION	M041-M049	30,383	45.2	1	20.0
FUEL BLENDING	M061	26,663	39.7	2	40.0
STABILIZATION	M111-M119	2,234	3.3	1	20.0
TOTAL		67,152	100.0	5	

19 MANAGEMENT METHOD, BY QUANTITY OF RCRA HAZARDOUS WASTE MANAGED
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
INCINERATION	M041-M049	30,383	45.2	1	20.0
FUEL BLENDING	M061	26,663	39.7	2	40.0
OTHER RECOVERY	M031-M039	7,125	10.6	1	20.0
STABILIZATION	M111-M119	2,234	3.3	1	20.0
SOLVENTS RECOVERY	M021-M029	747	1.1	1	20.0
TOTAL		67,152	100.0	5	

20 MANAGEMENT METHOD AND QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY NUMBER OF FACILITIES,
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
FUEL BLENDING	M061	26,663	39.7	2	40.0
SOLVENTS RECOVERY	M021-M029	747	1.1	1	20.0
OTHER RECOVERY	M031-M039	7,125	10.6	1	20.0
INCINERATION	M041-M049	30,383	45.2	1	20.0
STABILIZATION	M111-M119	2,234	3.3	1	20.0
TOTAL		67,152	100.0	5	

NOTE: FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.
COLUMNS MAY NOT SUM DUE TO ROUNDING.
COLUMNS MAY NOT SUM TO TOTAL BECAUSE FACILITIES MAY HAVE MULTIPLE HANDLING METHODS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

KENTUCKY

1997 IMPORTS AND EXPORTS

21 QUANTITY OF RCRA HAZARDOUS WASTE IMPORTED: 59,856 TONS

22 QUANTITY OF RCRA HAZARDOUS WASTE EXPORTED: 155,525 TONS

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

LOUISIANA

1997 WASTE GENERATION

1 NUMBER OF RCRA LARGE QUANTITY GENERATORS (LQGS): 363

2 QUANTITY OF RCRA HAZARDOUS WASTE GENERATED: 4,624,829 TONS

3 FIFTY LARGEST RCRA HAZARDOUS WASTE GENERATORS IN THE STATE, 1997

RANK	EPA ID	SITE NAME	CITY	TOTAL GENERATED (TONS)
1	LAD008175390	CYTEC INDUSTRIES INC	WAGGAMAN	1,843,575
2	LAD008213191	RUBICON INC	GEISMAR	1,532,487
3	LAD001890367	DUPONT & DUPONT DOW ELASTOMERS INC	LAPLACE	453,387
4	LAD000777201	CHEMICAL WASTE MANAGEMENT	SULPHUR	140,240
5	LAD020597597	ANGUS CHEMICAL COMPANY	STERLINGTON	91,523
6	LAD985185149	LOUISIANA PIGMENT COMPANY L P	WESTLAKE	69,857
7	LAD008086506	PPG INDUSTRIES INC	WESTLAKE	39,971
8	LAD008187080	THE DOW CHEMICAL COMPANY	PLAQUEMINE	38,256
9	LAD057117434	GEORGIA GULF CORPORATION	PLAQUEMINE	35,831
10	LAD008179707	CHALMETTE REFINERY	CHALMETTE	28,775
11	LAD980622104	SHELL OIL COMPANY NORCO W SITE CHEMICAL	NORCO	23,740
12	LAD000618256	CECOS INTERNATIONAL INC.	WESTLAKE	22,788
13	LAR000018333	ARCO CHEMICAL COMPANY	WESTLAKE	20,889
14	LAD000777102	TUBOSCOPE INC	MORGAN CITY	18,200
15	LAD008184137	EXIDE CORP - SCHUYKILL METALS DIVISION	BATON ROUGE	17,690
16	LAR000011247	SPRAYFAB LLC	THIBODAUX	16,875
17	LAD086478047	CONDEA VISTA COMPANY	WESTLAKE	16,625
18	LAD040776809	BASF CORPORATION	GEISMAR	15,326
19	LAD069524981	DURAWOOD TREATING COMPANY	ALEXANDRIA	14,989
20	LAD980796635	TUBOSCOPE	AMELIA	14,460
21	LAR000005926	CXY CHEMICALS USA	HAHNVILLE	13,661
22	LAD041224932	FORMOSA PLASTICS CORP LA	BATON ROUGE	11,696
23	LAD000778381	EXXON CHEMICAL COMPANY-BR PLASTICS PLANT	BATON ROUGE	11,498
24	LAD041581422	UNION CARBIDE CORP TAFT PLANT	TAFT	10,728
25	LAD990683716	CONOCO INC LAKE CHARLES REFINERY	WESTLAKE	10,382
26	LAD003913316	OCCIDENTAL CHEMICAL CORP	HAHNVILLE	10,295
27	LAD094919339	BAYOU STEEL CORPORATION	LA PLACE	9,607
28	LAD980870794	TT BARGE CLEANING, MELE 183	MODESTE	7,150
29	LAR000018598	RIVERWOOD INTERNATIONAL	WEST MONROE	6,636
30	LAD058530510	GNB TECHNOLOGIES	SHREVEPORT	5,286
31	LAD000812818	EXXON CHEMICALS AMERICA	BATON ROUGE	5,065
32	LAD053783445	NOVARTIS CROP PROTECTION INC	ST GABRIEL	4,982
33	LAD008058471	MURPHY OIL USA INC MERAUX REFINERY	MEHAUX	4,063
34	LAD008194060	UNIROYAL CHEMICAL COMPANY INC	GEISMAR	4,040
35	LAD092681824	VULCAN CHEMICALS	GEISMAR	3,824
36	LAD079464095	LAIDLAW ENVIRONMENTAL SERVICES (RECOVERY	RAYNE	3,778
37	LAD055018717	TRINITY MARINE BATON ROUGE	BATON ROUGE	3,582
38	LAD062662887	EXXON CO USA BATON ROUGE REFINERY	BATON ROUGE	3,142
39	LAD008186579	SHELL NORCO REFINING COMPANY	NORCO	3,016
40	LAD070672605	DSI TRANSPORTS INC	BATON ROUGE	2,073
41	LAD056024391	BP OIL COMPANY ALLIANCE REFINERY	BELLE CHASSE	1,909
42	LAD000618298	CECOS INTERNATIONAL INC	LIVINGSTON	1,789
43	LAR000004598	UNION CARBIDE CORP	NORCO	1,592
44	LAD008073439	FIRESTONE SYNTHETIC RUBBER AND LATEX CO	SULPHUR	1,569
45	LAD081999724	MARATHON ASHLAND PETROLEUM LLC	GARYVILLE	1,363
46	LAR000011635	SHELL OIL COMPANY	NORCO	1,237
47	LAD008161234	RHONE POULENC INC	BATON ROUGE	1,152
48	LAD003913449	BORDEN CHEMICALS & PLASTICS, OLP (BCP)	GEISMAR	964
49	LAD098168206	OCCIDENTAL CHEMICAL CORP	CONVENT	920
50	LAD008158289	EVANS COOPERAGE COMPANY INC	HARVEY	904

TOTAL

4,603,384

NOTE: STATE MAY HAVE FEWER THAN FIFTY GENERATORS.
GENERATORS WITH ZERO QUANTITY GENERATED ARE EXCLUDED.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

LOUISIANA

1997 WASTE GENERATION, CONTINUED

4 QUANTITIES OF WASTE GENERATED IN 1997 THAT WERE

- REPORTED WITH ONLY CHARACTERISTIC WASTE CODES
- REPORTED WITH ONLY LISTED WASTE CODES
- REPORTED WITH BOTH CHARACTERISTIC AND LISTED WASTE CODES

WASTE HAS ONLY CHARACTERISTIC CODES	TONS OF WASTE GENERATED	WASTE HAS ONLY LISTED CODES	TONS OF WASTE GENERATED	WASTE HAS BOTH CHARACTERISTIC AND LISTED CODES	TONS OF WASTE GENERATED
ONLY IGNITABLE	42,619	ONLY AN F CODE	44,164		
ONLY CORROSIVE	540,901	ONLY A K CODE	486,560		
ONLY REACTIVE	35,874	ONLY A P CODE	295		
ONLY D004-17	28,840	ONLY A U CODE	1,213		
ONLY D018-43	54,558				
HAS MORE THAN ONE CHARACTERISTIC CODE	1,112,868	HAS MORE THAN ONE LISTED CODE	23,192		
TOTAL	1,815,659	TOTAL	555,424	BOTH CHARACTERISTIC & LISTED	2,253,721

5 QUANTITIES OF WASTE GENERATED IN 1997 THAT WERE MULTIPLY CODED

WASTE HAS ONLY CHARACTERISTIC CODES BUT MORE THAN ONE APPLIES	TONS OF WASTE GENERATED	ONLY LISTED CODES BUT HAS MORE THAN ONE	TONS OF WASTE GENERATED	BOTH CHAR, AND LISTED CODES	TONS OF WASTE GENERATED
HAS IGNITABLE CODE	134,397			IGN. W/ AT LEAST 1 LSTD	172,992
HAS CORROSIVE CODE	341,574			CORR. W/ AT LEAST 1 LSTD	126,269
HAS REACTIVE CODE	722,657			REACT. W/ AT LEAST 1 LSTD	63
HAS D004-D017 CODE	117,606			D004-17 W/ AT LEAST 1 LSTD	32,750
HAS D018-D043 CODE	1,083,394			D018-43 W/ AT LEAST 1 LSTD	2,043,035
		HAS AN F CODE	21,994	F WASTE W/ AT LEAST 1 CHAR	1,553,355
		HAS A K CODE	20,957	K WASTE W/ AT LEAST 1 CHAR	1,988,191
		HAS A P CODE	3,872	P WASTE W/ AT LEAST 1 CHAR	448
		HAS A U CODE	5,607	U WASTE W/ AT LEAST 1 CHAR	4,366
TOTAL	1,112,868	TOTAL	23,192	TOTAL	2,253,721

NOTE: COLUMNS DO NOT SUM TO TOTAL BECAUSE A WASTE CODE MAY APPLY TO MORE THAN ONE WASTE.
 MIXTURES WITH IGNITABLE, CORROSIVE, REACTIVE, D004-17, AND D018-43 CHARACTERISTIC CODES ALSO MAY
 CONTAIN OTHER CHARACTERISTIC WASTE CODES.
 SIMILARLY, WASTES WITH F,K,P, AND U LISTED CODES MAY HAVE OTHER LISTED WASTE CODES.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

LOUISIANA

1997 WASTE MANAGEMENT

6 NUMBER OF RCRA TSD FACILITIES: 57

7 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED: 4,503,985 TONS

8 FIFTY LARGEST RCRA HAZARDOUS WASTE MANAGEMENT FACILITIES, 1997

RANK	EPA ID	SITE NAME	CITY	TONS OF WASTE MANAGED
----	-----	-----	----	-----
1	LAD008175390	CYTEC INDUSTRIES INC	WAGGAMAN	1,843,383
2	LAD008213191	RUBICON INC	GEISMAR	1,529,616
3	LAD001890367	DUPONT & DUPONT DOW ELASTOMERS INC	LAPLACE	455,630
4	LAD000777201	CHEMICAL WASTE MANAGEMENT	SULPHUR	193,215
5	LAD020597597	ANGUS CHEMICAL COMPANY	STERLINGTON	91,165
6	LAD008086506	PPG INDUSTRIES INC	WESTLAKE	78,573
7	LAD000778514	LAIDLAW ENVIRONMENTAL SVCS PLAQUEMINES	PLAQUEMINE	45,160
8	LAD008187080	THE DOW CHEMICAL COMPANY	PLAQUEMINE	39,570
9	LAD057117434	GEORGIA GULF CORPORATION	PLAQUEMINE	35,012
10	LAD000618256	CECOS INTERNATIONAL INC.	WESTLAKE	28,334
11	LAD008179707	CHALMETTE REFINERY	CHALMETTE	27,923
12	LAD980622104	SHELL OIL COMPANY NORCO W SITE CHEMICAL	NORCO	23,165
13	LAD008184137	EXIDE CORP - SCHUYKILL METALS DIVISION	BATON ROUGE	20,055
14	LAD008161234	RHONE POULENC INC	BATON ROUGE	18,608
15	LAR000018333	ARCO CHEMICAL COMPANY	WESTLAKE	17,137
16	LAD000778381	EXXON CHEMICAL COMPANY-BR PLASTICS PLANT	BATON ROUGE	11,445
17	LAD040776809	BASF CORPORATION	GEISMAR	10,543
18	LAD058472721	AMAX METALS RECOVERY, INC.	BRAITHWAITE	8,982
19	LAD041581422	UNION CARBIDE CORP TAFT PLANT	TAFT	8,807
20	LAD053783445	NOVARTIS CROP PROTECTION INC	ST GABRIEL	5,655
21	LAD079464095	LAIDLAW ENVIRONMENTAL SERVICES (RECOVERY	RAYNE	5,511
22	LAD092681824	VULCAN CHEMICALS	GEISMAR	3,072
23	LAD059130831	DSM COPOLYMER INC	ADDIS	1,287
24	LAD081999724	MARATHON ASHLAND PETROLEUM LLC	GARYVILLE	1,030
25	LAD034199802	CHEVRON CHEMICAL COMPANY LLC	BELLE CHASSE	370
26	LA0000365668	LAMP RECYCLERS OF LOUISIANA INC	HAMMOND	348
27	LAD981513021	X RAY UNLIMITED	LAKE CHARLES	166
28	LAD010395127	LAIDLAW ENVIRONMENTAL SERVICES B R INC	BATON ROUGE	106
29	LAD008080350	CITGO PETROLEUM CORPORATION	LAKE CHARLES	70
30	LAD985170299	X RAY UNLIMITED	ALEXANDRIA	38
31	LAD062662887	EXXON CO USA BATON ROUGE REFINERY	BATON ROUGE	7
TOTAL				4,503,985

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY FACILITIES THAT MANAGED WASTE.
FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

LOUISIANA

1997 WASTE MANAGEMENT, CONTINUED

9 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY MANAGEMENT METHOD, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
METALS RECOVERY (FOR REUSE)	M011-M019	12,239	.3	6	19.4
SOLVENTS RECOVERY	M021-M029	43,894	1.0	4	12.9
OTHER RECOVERY	M031-M039	59,537	1.3	5	16.1
INCINERATION	M041-M049	103,039	2.3	9	29.0
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	108,834	2.4	10	32.3
FUEL BLENDING	M061	5,560	.1	3	9.7
SLUDGE TREATMENT	M101-M109	70	.0	1	3.2
STABILIZATION	M111-M119	86,824	1.9	3	9.7
LAND TREATMENT / APPLICATION / FARMING	M131	1,022	.0	1	3.2
LANDFILL	M132	125,828	2.8	2	6.5
DEEPWELL / UNDERGROUND INJECTION	M134	3,957,139	87.9	6	19.4
TOTAL		4,503,985	100.0	31	

10 MANAGEMENT METHOD, BY QUANTITY OF RCRA HAZARDOUS WASTE MANAGED, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
DEEPWELL / UNDERGROUND INJECTION	M134	3,957,139	87.9	6	19.4
LANDFILL	M132	125,828	2.8	2	6.5
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	108,834	2.4	10	32.3
INCINERATION	M041-M049	103,039	2.3	9	29.0
STABILIZATION	M111-M119	86,824	1.9	3	9.7
OTHER RECOVERY	M031-M039	59,537	1.3	5	16.1
SOLVENTS RECOVERY	M021-M029	43,894	1.0	4	12.9
METALS RECOVERY (FOR REUSE)	M011-M019	12,239	.3	6	19.4
FUEL BLENDING	M061	5,560	.1	3	9.7
LAND TREATMENT / APPLICATION / FARMING	M131	1,022	.0	1	3.2
SLUDGE TREATMENT	M101-M109	70	.0	1	3.2
TOTAL		4,503,985	100.0	31	

11 MANAGEMENT METHOD AND QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY NUMBER OF FACILITIES, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	108,834	2.4	10	32.3
INCINERATION	M041-M049	103,039	2.3	9	29.0
DEEPWELL / UNDERGROUND INJECTION	M134	3,957,139	87.9	6	19.4
METALS RECOVERY (FOR REUSE)	M011-M019	12,239	.3	6	19.4
OTHER RECOVERY	M031-M039	59,537	1.3	5	16.1
SOLVENTS RECOVERY	M021-M029	43,894	1.0	4	12.9
FUEL BLENDING	M061	5,560	.1	3	9.7
STABILIZATION	M111-M119	86,824	1.9	3	9.7
LANDFILL	M132	125,828	2.8	2	6.5
LAND TREATMENT / APPLICATION / FARMING	M131	1,022	.0	1	3.2
SLUDGE TREATMENT	M101-M109	70	.0	1	3.2
TOTAL		4,503,985	100.0	31	

NOTE: FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.
COLUMNS MAY NOT SUM DUE TO ROUNDING.
COLUMNS MAY NOT SUM TO TOTAL BECAUSE FACILITIES MAY HAVE MULTIPLE HANDLING METHODS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

LOUISIANA

1997 WASTE SHIPMENTS

12 NUMBER OF RCRA HAZARDOUS WASTE SHIPPERS: 350

13 QUANTITY OF RCRA HAZARDOUS WASTE SHIPPED: 239,401 TONS

14 FIFTY LARGEST RCRA HAZARDOUS WASTE SHIPPERS, 1997

RANK	EPA ID	SITE NAME	CITY	QUANTITY SHIPPED (TONS)
----	-----	-----	----	-----
1	LAD000777201	CHEMICAL WASTE MANAGEMENT	SULPHUR	26,359
2	LAD000777102	TUBOSCOPE INC	MORGAN CITY	17,450
3	LAR000011247	SPRAYFAB LLC	THIBODAUX	16,875
4	LAD086478047	CONDEA VISTA COMPANY	WESTLAKE	16,625
5	LAD980796635	TUBOSCOPE	AMELIA	14,460
6	LAR000005926	CXY CHEMICALS USA	HAHNVILLE	13,661
7	LAD041224932	FORMOSA PLASTICS CORP LA	BATON ROUGE	11,696
8	LAD094919339	BAYOU STEEL CORPORATION	LA PLACE	9,607
9	LAR000018598	RIVERWOOD INTERNATIONAL	WEST MONROE	6,636
10	LAD980870794	TT BARGE CLEANING, MELE 183	MODESTE	6,619
11	LAD058530510	GNB TECHNOLOGIES	SHREVEPORT	5,286
12	LAD008086506	PPG INDUSTRIES INC	WESTLAKE	5,281
13	LAD000812818	EXXON CHEMICALS AMERICA	BATON ROUGE	5,065
14	LAD010395127	LAIDLAW ENVIRONMENTAL SERVICES B R INC	BATON ROUGE	4,816
15	LAD040776809	BASF CORPORATION	GEISMAR	4,810
16	LAD008194060	UNIROYAL CHEMICAL COMPANY INC	GEISMAR	4,040
17	LAD079464095	LAIDLAW ENVIRONMENTAL SERVICES (RECOVERY	RAYNE	3,778
18	LAR000018333	ARCO CHEMICAL COMPANY	WESTLAKE	3,751
19	LAD055018717	TRINITY MARINE BATON ROUGE	BATON ROUGE	3,545
20	LAD062662887	EXXON CO USA BATON ROUGE REFINERY	BATON ROUGE	3,135
21	LAD008213191	RUBICON INC	GEISMAR	2,846
22	LAD057117434	GEORGIA GULF CORPORATION	PLAQUEMINE	2,353
23	LAD053783445	NOVARTIS CROP PROTECTION INC	ST GABRIEL	2,103
24	LAD070672605	DSI TRANSPORTS INC	BATON ROUGE	2,073
25	LAD041581422	UNION CARBIDE CORP TAFT PLANT	TAFT	1,919
26	LAD056024391	BP OIL COMPANY ALLIANCE REFINERY	BELLE CHASSE	1,909
27	LAD000618298	CECOS INTERNATIONAL INC	LIVINGSTON	1,791
28	LAR000004598	UNION CARBIDE CORP	NORCO	1,592
29	LAD008073439	FIRESTONE SYNTHETIC RUBBER AND LATEX CO	SULPHUR	1,569
30	LAD089841902	SAFETY KLEEN CORP	KENNER	1,466
31	LAD981057441	SAFETY KLEEN CORP	PINEVILLE	1,284
32	LAR000011635	SHELL OIL COMPANY	NORCO	1,237
33	LAD000209700	BROWNING FERRIS INDUSTRIES	BATON ROUGE	1,232
34	LAD008058471	MURPHY OIL USA INC MERAUX REFINERY	MERAUX	1,152
35	LAD008161234	RHONE POULENC INC	BATON ROUGE	1,123
36	LAD008186579	SHELL NORCO REFINING COMPANY	NORCO	1,046
37	LAD085551810	HOBSON GALVANIZING CO INC	BELLE CHASSE	1,009
38	LAD003913449	BORDEN CHEMICALS & PLASTICS, OLP (BCP)	GEISMAR	964
39	LAD098168206	OCCIDENTAL CHEMICAL CORP	CONVENT	920
40	LAD008158289	EVANS COOPERAGE COMPANY INC	HARVEY	904
41	LAD008179707	CHALMETTE REFINERY	CHALMETTE	852
42	LAD982560955	LAROCHE INDUSTRIES INC	GRAMERCY	838
43	LAD008080350	CITGO PETROLEUM CORPORATION	LAKE CHARLES	770
44	LAD003913316	OCCIDENTAL CHEMICAL CORP	HAHNVILLE	765
45	LAD092681824	VULCAN CHEMICALS	GEISMAR	746
46	LAD985184761	WESTLAKE PETROCHEMICALS CORPORATION	SULPHUR	742
47	LA4800014587	US NASA LOCKHEED MARTIN	NEW ORLEANS	715
48	LAD008188583	DELTECH CORPORATION	BATON ROUGE	622
49	LAD049977101	P & H TUBING	BOSSIER CITY	605
50	LAD000757286	ALBEMARLE CORP PDC	BATON ROUGE	579

TOTAL

221,217

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY SHIPPERS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

LOUISIANA

1997 WASTE RECEIPTS

15 NUMBER OF RCRA HAZARDOUS WASTE RECEIVERS: 15

16 QUANTITY OF RCRA HAZARDOUS WASTE RECEIVED: 217,080 TONS

17 FIFTY LARGEST RCRA HAZARDOUS WASTE RECEIVERS, 1997

RANK	EPA ID	SITE NAME	CITY	QUANTITY RECEIVED (TONS)
----	-----	-----	----	-----
1	LAD000777201	CHEMICAL WASTE MANAGEMENT	SULPHUR	79,931
2	LAD000778514	LAIDLAW ENVIRONMENTAL SVCS PLAQUEMINES	PLAQUEMINE	45,160
3	LAD008086506	PPG INDUSTRIES INC	WESTLAKE	43,883
4	LAD008161234	RHONE POULENC INC	BATON ROUGE	18,566
5	LAD058472721	AMAX METALS RECOVERY, INC.	BRAITHWAITE	8,982
6	LAD000618256	CECOS INTERNATIONAL INC.	WESTLAKE	5,597
7	LAD001890367	DUPONT & DUPONT DOW ELASTOMERS INC	LAPLACE	2,765
8	LAD053783445	NOVARTIS CROP PROTECTION INC	ST GABRIEL	2,712
9	LAD008184137	EXIDE CORP - SCHUYKILL METALS DIVISION	BATON ROUGE	2,367
10	LAD079464095	LAIDLAW ENVIRONMENTAL SERVICES (RECOVERY	RAYNE	1,734
11	LAD008187080	THE DOW CHEMICAL COMPANY	PLAQUEMINE	1,456
12	LAD010395127	LAIDLAW ENVIRONMENTAL SERVICES B R INC	BATON ROUGE	1,278
13	LAD981057441	SAFETY KLEEN CORP	PINEVILLE	1,256
14	LAD089841902	SAFETY KLEEN CORP	KENNER	1,215
15	LA0000365668	LAMP RECYCLERS OF LOUISIANA INC	HAMMOND	180
TOTAL				217,080

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY FACILITIES THAT RECEIVED WASTE.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

LOUISIANA

1997 WASTE RECEIPTS, CONTINUED

18 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY MANAGEMENT METHOD,
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
METALS RECOVERY (FOR REUSE)	M011-M019	11,528	5.4	3	23.1
SOLVENTS RECOVERY	M021-M029	43,883	20.7	1	7.7
OTHER RECOVERY	M031-M039	2,765	1.3	1	7.7
INCINERATION	M041-M049	6,253	3.0	4	30.8
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	16,505	7.8	1	7.7
FUEL BLENDING	M061	1,782	.8	3	23.1
STABILIZATION	M111-M119	68,907	32.6	1	7.7
LANDFILL	M132	9,268	4.4	1	7.7
DEEPWELL / UNDERGROUND INJECTION	M134	50,756	24.0	2	15.4
TOTAL		211,647	100.0	13	

19 MANAGEMENT METHOD, BY QUANTITY OF RCRA HAZARDOUS WASTE MANAGED
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
STABILIZATION	M111-M119	68,907	32.6	1	7.7
DEEPWELL / UNDERGROUND INJECTION	M134	50,756	24.0	2	15.4
SOLVENTS RECOVERY	M021-M029	43,883	20.7	1	7.7
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	16,505	7.8	1	7.7
METALS RECOVERY (FOR REUSE)	M011-M019	11,528	5.4	3	23.1
LANDFILL	M132	9,268	4.4	1	7.7
INCINERATION	M041-M049	6,253	3.0	4	30.8
OTHER RECOVERY	M031-M039	2,765	1.3	1	7.7
FUEL BLENDING	M061	1,782	.8	3	23.1
TOTAL		211,647	100.0	13	

20 MANAGEMENT METHOD AND QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY NUMBER OF FACILITIES,
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
INCINERATION	M041-M049	6,253	3.0	4	30.8
FUEL BLENDING	M061	1,782	.8	3	23.1
METALS RECOVERY (FOR REUSE)	M011-M019	11,528	5.4	3	23.1
DEEPWELL / UNDERGROUND INJECTION	M134	50,756	24.0	2	15.4
LANDFILL	M132	9,268	4.4	1	7.7
SOLVENTS RECOVERY	M021-M029	43,883	20.7	1	7.7
OTHER RECOVERY	M031-M039	2,765	1.3	1	7.7
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	16,505	7.8	1	7.7
STABILIZATION	M111-M119	68,907	32.6	1	7.7
TOTAL		211,647	100.0	13	

NOTE: FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.
COLUMNS MAY NOT SUM DUE TO ROUNDING.
COLUMNS MAY NOT SUM TO TOTAL BECAUSE FACILITIES MAY HAVE MULTIPLE HANDLING METHODS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

LOUISIANA

1997 IMPORTS AND EXPORTS

21	QUANTITY OF RCRA HAZARDOUS WASTE IMPORTED:	146,521 TONS
22	QUANTITY OF RCRA HAZARDOUS WASTE EXPORTED:	173,756 TONS

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

MAINE

1997 WASTE GENERATION

1 NUMBER OF RCRA LARGE QUANTITY GENERATORS (LQGS): 137

2 QUANTITY OF RCRA HAZARDOUS WASTE GENERATED: 4,758 TONS

3 FIFTY LARGEST RCRA HAZARDOUS WASTE GENERATORS IN THE STATE, 1997

RANK	EPA ID	SITE NAME	CITY	TOTAL GENERATED (TONS)
----	-----	-----	----	-----
1	MED000242701	HOLTRACHEM MFG CO LLC	ORRINGTON	760
2	MED040249096	CYRO INDUSTRIES	SANFORD	621
3	MED018980227	CENTRAL MAINE POWER CO O'CONNOR SITE	AUGUSTA	304
4	MED000791681	PRATT & WHITNEY	NORTH BERWICK	277
5	MED001097203	PHILIPS ELMET	LEWISTON	260
6	ME7170022019	PORTSMOUTH NAVAL SHIPYARD	KITTERY	241
7	MED000841015	SPRAGUE ENERGY CORP	SOUTH PORTLAND	217
8	MED051431906	GENERAL ELECTRIC CO ELECTRICAL DIST	AUBURN	162
9	MED001098458	NATIONAL SEMICONDUCTOR	SOUTH PORTLAND	148
10	MED041460247	BATH IRON WORKS CORPORATION	BATH	148
11	ME5000001313	FAIRCHILD SEMICONDUCTOR CORP	SOUTH PORTLAND	129
12	MED040228983	PIONEER PLASTICS CORP	AUBURN	111
13	MED980910053	SILVEX INC	WESTBROOK	89
14	MED001099308	ENGLEHARD CORPORATION	EASTPORT	76
15	MED046217352	EASTERN FINE PAPER	BREWER	63
16	MED045113495	L & I ATLANTIC	BANGOR	62
17	MED071735096	MAINE POLY INC	GREENE	57
18	MED985466358	CIANBRO PAINT/FAB SHOP	PITTSFIELD	52
19	ME5000000802	CONTROL DEVICES INC	STANDISH	52
20	MED077469864	SPRAGUE SANFORD INC	SANFORD	51
21	MED065037491	MEGA INDUSTRIES	RAYMOND	50
22	MED001096395	PRIME TANNING CO INC	BERWICK	46
23	MED985467638	PRECIS, INC D/B/A E.M.S.	WESTBROOK	44
24	MED985469279	SOUTHERN MAINE INDUSTRIES	GORHAM	42
25	MED001096791	SACO DEFENSE INC	SACO	42
26	ME5170024355	US NAVAL COMPUTER & TELECOMMUNICATIONS	CUTLER	39
27	MED086875887	WAUSAU-MOSINEE PAPER CORP TECH SPEC DIV	JAY	33
28	MED046221115	MOBIL OIL #18054 PORTLAND TERMINAL	SOUTH PORTLAND	29
29	MED042141408	S.D. WARREN COMPANY	WESTBROOK	26
30	MED019051069	ENVIRONMENTAL COMPLIANCE CORP	SOUTH PORTLAND	26
31	MED001098011	GREAT NORTHERN PAPER INC	MILLINOCKET	25
32	MED980523146	BATH IRON WORKS CORPORATION (PORTLAND)	PORTLAND	24
33	ME5000001040	ME TURNPIKE AUTHORITY GRAY MNTNCE FCLTY	GRAY	22
34	MED985467679	BATH IRON WORKS CORP (EBMF)	BRUNSWICK	20
35	ME8170022018	NAVAL AIR STATION	BRUNSWICK	20
36	MED054608179	SPENCER PRESS INC	WELLS	19
37	MED001107051	GREAT NORTHERN PAPER INC	MILLINOCKET	17
38	MED018999706	WEBBER TANKS INC	BUCKSPORT	15
39	MED981889223	ME ARMY NATIONAL GUARD UTES #1	AUBURN	15
40	MED018979989	CHARLIES MOTOR MALL BODY SHOP	AUGUSTA	14
41	ME5211890012	ME ARMY NATIONAL GUARD USPFO	AUGUSTA	13
42	MED000841056	BATH IRON WORKS (HARDINGS)	BRUNSWICK	13
43	MED001126564	CARLETON WOOLEN MILLS DYEING & FINISHING	WINTHROP	13
44	MED037714441	LEMFORDER CORPORATION	BREWER	12
45	MED060996451	UNIVERSITY OF MAINE	ORONO	11
46	MED001102508	G.H. BASS CO	WILTON	10
47	MED093625358	SCI TECHNOLOGY INC	AUGUSTA	9
48	MED053444139	FALCON SHOE MFG CO KNAPP DIVISION	LEWISTON	9
49	MED037719846	DEPT OF VETERAN'S AFFAIRS	TOGUS	9
50	MED001095777	HUSSEY SEATING CO	NORTH BERWICK	8

TOTAL

4,555

NOTE: STATE MAY HAVE FEWER THAN FIFTY GENERATORS.
GENERATORS WITH ZERO QUANTITY GENERATED ARE EXCLUDED.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

MAINE

1997 WASTE GENERATION, CONTINUED

4 QUANTITIES OF WASTE GENERATED IN 1997 THAT WERE

- REPORTED WITH ONLY CHARACTERISTIC WASTE CODES
- REPORTED WITH ONLY LISTED WASTE CODES
- REPORTED WITH BOTH CHARACTERISTIC AND LISTED WASTE CODES

WASTE HAS ONLY CHARACTERISTIC CODES	TONS OF WASTE GENERATED	WASTE HAS ONLY LISTED CODES	TONS OF WASTE GENERATED	WASTE HAS BOTH CHARACTERISTIC AND LISTED CODES	TONS OF WASTE GENERATED
ONLY IGNITABLE	898	ONLY AN F CODE	267		
ONLY CORROSIVE	308	ONLY A K CODE	745		
ONLY REACTIVE	2	ONLY A P CODE	0		
ONLY D004-17	992	ONLY A U CODE	61		
ONLY D018-43	6				
HAS MORE THAN ONE CHARACTERISTIC CODE	602	HAS MORE THAN ONE LISTED CODE	0		
TOTAL	2,808	TOTAL	1,074	BOTH CHARACTERISTIC & LISTED	873

5 QUANTITIES OF WASTE GENERATED IN 1997 THAT WERE MULTIPLY CODED

WASTE HAS ONLY CHARACTERISTIC CODES BUT MORE THAN ONE APPLIES	TONS OF WASTE GENERATED	ONLY LISTED CODES BUT HAS MORE THAN ONE	TONS OF WASTE GENERATED	BOTH CHAR, AND LISTED CODES	TONS OF WASTE GENERATED
HAS IGNITABLE CODE	414			IGN. W/ AT LEAST 1 LSTD	621
HAS CORROSIVE CODE	180			CORR. W/ AT LEAST 1 LSTD	15
HAS REACTIVE CODE	4			REACT. W/ AT LEAST 1 LSTD	36
HAS D004-D017 CODE	279			D004-17 W/ AT LEAST 1 LSTD	291
HAS D018-D043 CODE	367			D018-43 W/ AT LEAST 1 LSTD	320
		HAS AN F CODE	0	F WASTE W/ AT LEAST 1 CHAR	867
		HAS A K CODE	0	K WASTE W/ AT LEAST 1 CHAR	0
		HAS A P CODE	0	P WASTE W/ AT LEAST 1 CHAR	0
		HAS A U CODE	0	U WASTE W/ AT LEAST 1 CHAR	11
TOTAL	602	TOTAL	0	TOTAL	873

NOTE: COLUMNS DO NOT SUM TO TOTAL BECAUSE A WASTE CODE MAY APPLY TO MORE THAN ONE WASTE.
 MIXTURES WITH IGNITABLE, CORROSIVE, REACTIVE, D004-17, AND D018-43 CHARACTERISTIC CODES ALSO MAY
 CONTAIN OTHER CHARACTERISTIC WASTE CODES.
 SIMILARLY, WASTES WITH F,K,P, AND U LISTED CODES MAY HAVE OTHER LISTED WASTE CODES.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

MAINE

1997 WASTE MANAGEMENT

6 NUMBER OF RCRA TSD FACILITIES: 23

7 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED: 718 TONS

8 FIFTY LARGEST RCRA HAZARDOUS WASTE MANAGEMENT FACILITIES, 1997

RANK	EPA ID	SITE NAME	CITY	TONS OF WASTE MANAGED
----	-----	-----	----	-----
1	MED040249096	CYRO INDUSTRIES	SANFORD	400
2	MED001099746	OSRAM SYLVANIA PRODUCTS INC	WALDOBORO	299
3	MED985466358	CIANBRO PAINT/FAB SHOP	PITTSFIELD	9
4	MED037719846	DEPT OF VETERAN'S AFFAIRS	TOGUS	5
5	MED055714588	SABRE CORPORATION	RAYMOND	2
6	MED019051846	LOCKARD'S COLLISION CENTER	PORTLAND	2
7	MED985468982	FMC CORPORATION BIO PRODUCTS	ROCKLAND	1
8	MED985471895	M. GRUMBACHER	LISBON FALLS	0
9	MED985468958	DAIGLE & HOUGHTON	FORT KENT	0
10	ME7170022019	PORTSMOUTH NAVAL SHIPYARD	KITTERY	0
TOTAL				718

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
 STATE MAY HAVE FEWER THAN FIFTY FACILITIES THAT MANAGED WASTE.
 FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

MAINE

1997 WASTE MANAGEMENT, CONTINUED

9 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY MANAGEMENT METHOD, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
METALS RECOVERY (FOR REUSE)	M011-M019	5	.6	1	10.0
SOLVENTS RECOVERY	M021-M029	414	57.7	7	70.0
OTHER RECOVERY	M031-M039	278	38.6	1	10.0
SLUDGE TREATMENT	M101-M109	22	3.0	1	10.0
STABILIZATION	M111-M119	0	.0	1	10.0
TOTAL		718	100.0	10	

10 MANAGEMENT METHOD, BY QUANTITY OF RCRA HAZARDOUS WASTE MANAGED, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
SOLVENTS RECOVERY	M021-M029	414	57.7	7	70.0
OTHER RECOVERY	M031-M039	278	38.6	1	10.0
SLUDGE TREATMENT	M101-M109	22	3.0	1	10.0
METALS RECOVERY (FOR REUSE)	M011-M019	5	.6	1	10.0
STABILIZATION	M111-M119	0	.0	1	10.0
TOTAL		718	100.0	10	

11 MANAGEMENT METHOD AND QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY NUMBER OF FACILITIES, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
SOLVENTS RECOVERY	M021-M029	414	57.7	7	70.0
METALS RECOVERY (FOR REUSE)	M011-M019	5	.6	1	10.0
OTHER RECOVERY	M031-M039	278	38.6	1	10.0
SLUDGE TREATMENT	M101-M109	22	3.0	1	10.0
STABILIZATION	M111-M119	0	.0	1	10.0
TOTAL		718	100.0	10	

NOTE: FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.
COLUMNS MAY NOT SUM DUE TO ROUNDING.
COLUMNS MAY NOT SUM TO TOTAL BECAUSE FACILITIES MAY HAVE MULTIPLE HANDLING METHODS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

MAINE

1997 WASTE SHIPMENTS

12 NUMBER OF RCRA HAZARDOUS WASTE SHIPPERS: 137

13 QUANTITY OF RCRA HAZARDOUS WASTE SHIPPED: 5,104 TONS

14 FIFTY LARGEST RCRA HAZARDOUS WASTE SHIPPERS, 1997

RANK	EPA ID	SITE NAME	CITY	QUANTITY SHIPPED (TONS)
----	-----	-----	----	-----
1	MED000242701	HOLTRACHEM MFG CO LLC	ORRINGTON	760
2	MED019051069	ENVIRONMENTAL COMPLIANCE CORP	SOUTH PORTLAND	522
3	MED980667810	SAFETY-KLEEN CORP	LEEDS	445
4	MED018980227	CENTRAL MAINE POWER CO O'CONNOR SITE	AUGUSTA	304
5	MED000791681	PRATT & WHITNEY	NORTH BERWICK	276
6	ME7170022019	PORTSMOUTH NAVAL SHIPYARD	KITTERY	241
7	MED040249096	CYRO INDUSTRIES	SANFORD	221
8	MED000841015	SPRAGUE ENERGY CORP	SOUTH PORTLAND	217
9	MED051431906	GENERAL ELECTRIC CO ELECTRICAL DIST	AUBURN	162
10	MED001098458	NATIONAL SEMICONDUCTOR	SOUTH PORTLAND	148
11	MED041460247	BATH IRON WORKS CORPORATION	BATH	148
12	MED040228983	PIONEER PLASTICS CORP	AUBURN	140
13	MED980910053	SILVEX INC	WESTBROOK	105
14	MED071735096	MAINE POLY INC	GREENE	104
15	ME5000001313	FAIRCHILD SEMICONDUCTOR CORP	SOUTH PORTLAND	79
16	MED001099308	ENGLEHARD CORPORATION	EASTPORT	77
17	MED046217352	EASTERN FINE PAPER	BREWER	72
18	ME5000000802	CONTROL DEVICES INC	STANDISH	52
19	MED077469864	SPRAGUE SANFORD INC	SANFORD	51
20	MED065037491	MEGA INDUSTRIES	RAYMOND	50
21	MED985467638	PRECIS, INC D/B/A E.M.S.	WESTBROOK	46
22	MED001096395	PRIME TANNING CO INC	BERWICK	46
23	MED985466358	CIANBRO PAINT/FAB SHOP	PITTSFIELD	43
24	MED001096791	SACO DEFENSE INC	SACO	42
25	ME5170024355	US NAVAL COMPUTER & TELECOMMUNICATIONS	CUTLER	39
26	MED045113495	L & I ATLANTIC	BANGOR	35
27	MED086875887	WAUSAU-MOSINEE PAPER CORP TECH SPEC DIV	JAY	33
28	MED001099746	OSRAM SYLVANIA PRODUCTS INC	WALDOBORO	32
29	MED985469279	SOUTHERN MAINE INDUSTRIES	GORHAM	29
30	MED046221115	MOBIL OIL #18054 PORTLAND TERMINAL	SOUTH PORTLAND	29
31	MED001098011	GREAT NORTHERN PAPER INC	MILLINOCKET	25
32	MED980523146	BATH IRON WORKS CORPORATION (PORTLAND)	PORTLAND	24
33	MED042141408	S.D. WARREN COMPANY	WESTBROOK	23
34	ME5000001040	ME TURNPIKE AUTHORITY GRAY MNTNCE FCLTY	GRAY	22
35	MED985467679	BATH IRON WORKS CORP (EBMF)	BRUNSWICK	20
36	ME8170022018	NAVAL AIR STATION	BRUNSWICK	20
37	MED054608179	SPENCER PRESS INC	WELLS	19
38	MED001107051	GREAT NORTHERN PAPER INC	MILLINOCKET	17
39	MED018999706	WEBBER TANKS INC	BUCKSPORT	15
40	MED001097203	PHILIPS ELMET	LEWISTON	15
41	MED981889223	ME ARMY NATIONAL GUARD UTES #1	AUBURN	15
42	MED018979989	CHARLIES MOTOR MALL BODY SHOP	AUGUSTA	14
43	ME5211890012	ME ARMY NATIONAL GUARD USPFO	AUGUSTA	13
44	MED000841056	BATH IRON WORKS (HARDINGS)	BRUNSWICK	13
45	MED001126564	CARLETON WOOLEN MILLS DYEING & FINISHING	WINTHROP	13
46	MED037714441	LEMFORDE CORPORATION	BREWER	12
47	MED053444139	FALCON SHOE MFG CO KNAPP DIVISION	LEWISTON	12
48	MED001102508	G.H. BASS CO	WILTON	10
49	MED981214406	US OPTICAL DISC INC	SANFORD	10
50	MED093625358	SCI TECHNOLOGY INC	AUGUSTA	9

TOTAL

4,866

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY SHIPPERS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

MAINE

1997 WASTE RECEIPTS

15 NUMBER OF RCRA HAZARDOUS WASTE RECEIVERS: 2

16 QUANTITY OF RCRA HAZARDOUS WASTE RECEIVED: 344 TONS

17 FIFTY LARGEST RCRA HAZARDOUS WASTE RECEIVERS, 1997

RANK	EPA ID	SITE NAME	CITY	QUANTITY RECEIVED (TONS)
----	-----	-----	----	-----
1	MED980667810	SAFETY-KLEEN CORP	LEEDS	343
2	MED019051069	ENVIRONMENTAL COMPLIANCE CORP	SOUTH PORTLAND	1
TOTAL				344

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY FACILITIES THAT RECEIVED WASTE.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

MAINE

1997 WASTE RECEIPTS, CONTINUED

TABLES 18, 19 AND 20 HAVE BEEN OMITTED FROM THIS REPORT BECAUSE THERE WERE NO FACILITIES IN MAINE THAT REPORTED RECEIVING RCRA HAZARDOUS WASTE FROM OFFSITE IN 1997 OTHER THAN STORAGE ONLY FACILITIES.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

MAINE

1997 IMPORTS AND EXPORTS

21 QUANTITY OF RCRA HAZARDOUS WASTE IMPORTED: 0 TONS

22 QUANTITY OF RCRA HAZARDOUS WASTE EXPORTED: 4,827 TONS

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

MARYLAND

1997 WASTE GENERATION

1 NUMBER OF RCRA LARGE QUANTITY GENERATORS (LQGS): 327

2 QUANTITY OF RCRA HAZARDOUS WASTE GENERATED: 63,498 TONS

3 FIFTY LARGEST RCRA HAZARDOUS WASTE GENERATORS IN THE STATE, 1997

RANK	EPA ID	SITE NAME	CITY	TOTAL GENERATED (TONS)
----	-----	-----	----	-----
1	MDR000004465	FIN-TEC INC	SALISBURY	20,403
2	MDD003071875	FMC CORP	BALTIMORE	10,310
3	MDD030324073	MARYLAND PORT ADMIN	BALTIMORE	6,503
4	MDD990759375	EASTALCO ALUMINUM CO	FREDERICK	2,472
5	MDD069390839	RUST OLEUM CORP	WILLIAMSPORT	1,890
6	MDD000215160	SHERWIN WILLIAMS CO	BALTIMORE	1,593
7	MDD053945432	BETHLEHEM STEEL SPARROWS POINT DIV	SPARROWS POINT	1,493
8	MDD985369305	SPECTRA INC	CLARKSBURG	1,324
9	MDD069396711	ALLIED SIGNAL INC	BALTIMORE	1,275
10	MDD000619395	BALTIMORE GAS & ELECTRIC CO	BALTIMORE	1,044
11	MDD008424434	EXXON CO USA	BALTIMORE	980
12	MDD003091972	GM TRUCK & BUS GROUP	BALTIMORE	745
13	MDD086140944	AVISTA SHEFFIELD EAST INC	BALTIMORE	733
14	MDD985372143	CITRUS & ALLIED ESSENCES	BELCAMP	651
15	MD3210021355	U S ARMY GARRISON ABERDEEN PROVING GRND	APG	611
16	MDD990686222	CONDEA VISTA COMPANY	BALTIMORE	579
17	MDD003063278	LENMAR INC	BALTIMORE	560
18	MDR000015792	CAMBRIDGE MGP SITE	CAMBRIDGE	541
19	MDD980555189	CLEAN HARBORS OF BALTIMORE INC	BALTIMORE	461
20	MDD062011796	MINERAL PIGMENTS	BELTSVILLE	408
21	MDD003419090	LOCKHEED MARTIN	BALTIMORE	355
22	MDD003075942	CYTEC INDUSTRIES INC	HAVRE DE GRACE	344
23	MDR000001057	BFI	BALTIMORE	342
24	MDD002901197	CARR LOWREY GLASS CO	BALTIMORE	330
25	MDD980554653	LAIDLAW ENVIRONMENTAL SERVICES	LAUREL	312
26	MDD095353348	SECURITY FENCE SUPPLY	BLADENSBURG	295
27	MDD038942884	CONSOLIDATED PHARMACEUTICAL GROUP	BALTIMORE	259
28	MDD089945950	INTERNATIONAL PAPER	ODENTON	219
29	MDD980551600	MPR CO INC	COCKEYSVILLE	210
30	MDD108077496	CHOPTANK ELECTIRC COOP INC	DENTON	187
31	MDD003255163	DURON INC	BELTSVILLE	177
32	MDD005971650	UNITED STATES CAN CO	SPARROWS POINT	177
33	MDD980829873	UNIVERSITY OF MD AT COLLEGE PARK	COLLEGE PARK	170
34	MDR000009662	ALUGLASS PACKAGING INC	SNOW HILL	159
35	MDD003075207	SIGNODE EASTERN OPERATIONS	BLATIMORE	145
36	MDR000001230	REPUBLIC ENGINEERED STEELS INCLTY P	BALTIMORE	137
37	MD2970590004	NATIONAL SECURITY AGENCY	FORT MEADE	134
38	MDD046041885	WATKINS JOHNSON CO	GAITHERSBURG	124
39	MD6150004095	NATIONAL INSTITUTES OF HEALTH	BETHESDA	119
40	MDD003093507	MILLENNIUM SPECIALTY CHEMICALS	BALTIMORE	118
41	MDD982363426	ROHR INC	HAGERSTOWN	103
42	MDD003082997	NOXELL CORP	HUNT VALLEY	103
43	MDD053936464	POTOMAC ELECTRIC POWER CO	NEWBURG	101
44	MDD074933961	W R GRACE & CO	COLUMBIA	100
45	MDD003065877	BLACK & DECKER INC	HAMPSTEAD	98
46	MDD003102753	METAL FINISHING INC	HAGERSWOTN	89
47	MDD092391945	E M D S INC	GAITHERSBURG	89
48	MDD054573456	SHEEHY FORD OF GIATHERSBURG	GAITHERSBURG	88
49	MDD056497589	VPI MIRREX CORP	SALISUBRY	82
50	MD4690307844	USCG YARD SAFETY OFFICE	BALTIMORE	74

TOTAL

59,815

NOTE: STATE MAY HAVE FEWER THAN FIFTY GENERATORS.
GENERATORS WITH ZERO QUANTITY GENERATED ARE EXCLUDED.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

MARYLAND

1997 WASTE GENERATION, CONTINUED

4 QUANTITIES OF WASTE GENERATED IN 1997 THAT WERE

- REPORTED WITH ONLY CHARACTERISTIC WASTE CODES
 - REPORTED WITH ONLY LISTED WASTE CODES
 - REPORTED WITH BOTH CHARACTERISTIC AND LISTED WASTE CODES

WASTE HAS ONLY CHARACTERISTIC CODES	TONS OF WASTE GENERATED	WASTE HAS ONLY LISTED CODES	TONS OF WASTE GENERATED	WASTE HAS BOTH CHARACTERISTIC AND LISTED CODES	TONS OF WASTE GENERATED
ONLY IGNITABLE	8,205	ONLY AN F CODE	22,063		
ONLY CORROSIVE	225	ONLY A K CODE	2,470		
ONLY REACTIVE	25	ONLY A P CODE	17		
ONLY D004-17	11,970	ONLY A U CODE	60		
ONLY D018-43	1,458				
HAS MORE THAN ONE CHARACTERISTIC CODE	3,686	HAS MORE THAN ONE LISTED CODE	5		
TOTAL	25,569	TOTAL	24,616	BOTH CHARACTERISTIC & LISTED	13,276

5 QUANTITIES OF WASTE GENERATED IN 1997 THAT WERE MULTIPLY CODED

WASTE HAS ONLY CHARACTERISTIC CODES BUT MORE THAN ONE APPLIES	TONS OF WASTE GENERATED	ONLY LISTED CODES BUT HAS MORE THAN ONE	TONS OF WASTE GENERATED	BOTH CHAR, AND LISTED CODES	TONS OF WASTE GENERATED
HAS IGNITABLE CODE	1,879			IGN. W/ AT LEAST 1 LSTD	11,063
HAS CORROSIVE CODE	1,800			CORR. W/ AT LEAST 1 LSTD	1,200
HAS REACTIVE CODE	79			REACT. W/ AT LEAST 1 LSTD	369
HAS D004-D017 CODE	2,140			D004-17 W/ AT LEAST 1 LSTD	3,491
HAS D018-D043 CODE	1,609			D018-43 W/ AT LEAST 1 LSTD	3,262
		HAS AN F CODE	5	F WASTE W/ AT LEAST 1 CHAR	12,447
		HAS A K CODE	0	K WASTE W/ AT LEAST 1 CHAR	947
		HAS A P CODE	0	P WASTE W/ AT LEAST 1 CHAR	527
		HAS A U CODE	5	U WASTE W/ AT LEAST 1 CHAR	713
TOTAL	3,686	TOTAL	5	TOTAL	13,276

NOTE: COLUMNS DO NOT SUM TO TOTAL BECAUSE A WASTE CODE MAY APPLY TO MORE THAN ONE WASTE.
 MIXTURES WITH IGNITABLE, CORROSIVE, REACTIVE, D004-17, AND D018-43 CHARACTERISTIC CODES ALSO MAY
 CONTAIN OTHER CHARACTERISTIC WASTE CODES.
 SIMILARLY, WASTES WITH F,K,P, AND U LISTED CODES MAY HAVE OTHER LISTED WASTE CODES.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

MARYLAND

1997 WASTE MANAGEMENT

6 NUMBER OF RCRA TSD FACILITIES: 25

7 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED: 4,560 TONS

8 FIFTY LARGEST RCRA HAZARDOUS WASTE MANAGEMENT FACILITIES, 1997

RANK	EPA ID	SITE NAME	CITY	TONS OF WASTE MANAGED
----	-----	-----	----	-----
1	MDD003071875	FMC CORP	BALTIMORE	3,166
2	MDD980555189	CLEAN HARBORS OF BALTIMORE INC	BALTIMORE	1,330
3	MDD003075942	CYTEC INDUSTRIES INC	HAVRE DE GRACE	38
4	MDD980554653	LAIDLAW ENVIRONMENTAL SERVICES	LAUREL	11
5	MDD003067121	THIOKOL CORP	ELKTON	9
6	MD4170024109	NAVAL SURFACE WARFARE CENTER	INDIAN HEAD	2
7	MDD050793926	TOWSON STATE UNIVERSITY	TOWSON	1
8	MD3750832062	FREDERICK CANCER RESEARCH AND DEVELOPMEN	FREDERICK	1
9	MD4170090001	NAVEODTECHDIV	INDIAN HEAD	1
10	MD6150004095	NATIONAL INSTITUTES OF HEALTH	BETHESDA	0
TOTAL				4,560

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
 STATE MAY HAVE FEWER THAN FIFTY FACILITIES THAT MANAGED WASTE.
 FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

MARYLAND

1997 WASTE MANAGEMENT, CONTINUED

9 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY MANAGEMENT METHOD, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
METALS RECOVERY (FOR REUSE)	M011-M019	2	.0	2	20.0
SOLVENTS RECOVERY	M021-M029	191	4.2	4	40.0
INCINERATION	M041-M049	3,194	70.0	3	30.0
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	1	.0	1	10.0
STABILIZATION	M111-M119	1,162	25.5	3	30.0
LANDFILL	M132	1	.0	1	10.0
OTHER DISPOSAL SPECIFIED IN COMMENTS	M137	10	.2	2	20.0
TOTAL		4,560	100.0	10	

10 MANAGEMENT METHOD, BY QUANTITY OF RCRA HAZARDOUS WASTE MANAGED, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
INCINERATION	M041-M049	3,194	70.0	3	30.0
STABILIZATION	M111-M119	1,162	25.5	3	30.0
SOLVENTS RECOVERY	M021-M029	191	4.2	4	40.0
OTHER DISPOSAL SPECIFIED IN COMMENTS	M137	10	.2	2	20.0
METALS RECOVERY (FOR REUSE)	M011-M019	2	.0	2	20.0
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	1	.0	1	10.0
LANDFILL	M132	1	.0	1	10.0
TOTAL		4,560	100.0	10	

11 MANAGEMENT METHOD AND QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY NUMBER OF FACILITIES, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
SOLVENTS RECOVERY	M021-M029	191	4.2	4	40.0
INCINERATION	M041-M049	3,194	70.0	3	30.0
STABILIZATION	M111-M119	1,162	25.5	3	30.0
OTHER DISPOSAL SPECIFIED IN COMMENTS	M137	10	.2	2	20.0
METALS RECOVERY (FOR REUSE)	M011-M019	2	.0	2	20.0
LANDFILL	M132	1	.0	1	10.0
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	1	.0	1	10.0
TOTAL		4,560	100.0	10	

NOTE: FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.
COLUMNS MAY NOT SUM DUE TO ROUNDING.
COLUMNS MAY NOT SUM TO TOTAL BECAUSE FACILITIES MAY HAVE MULTIPLE HANDLING METHODS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

MARYLAND

1997 WASTE SHIPMENTS

12 NUMBER OF RCRA HAZARDOUS WASTE SHIPPERS: 298

13 QUANTITY OF RCRA HAZARDOUS WASTE SHIPPED: 100,658 TONS

14 FIFTY LARGEST RCRA HAZARDOUS WASTE SHIPPERS, 1997

RANK	EPA ID	SITE NAME	CITY	QUANTITY SHIPPED (TONS)
----	-----	-----	----	-----
1	MDR000004465	FIN-TEC INC	SALISBURY	26,400
2	MDD980555189	CLEAN HARBORS OF BALTIMORE INC	BALTIMORE	17,864
3	MDD069390839	RUST OLEUM CORP	WILLIAMSPORT	15,539
4	MDD030324073	MARYLAND PORT ADMIN	BALTIMORE	6,503
5	MDD003071875	FMC CORP	BALTIMORE	5,616
6	MDD980554653	LAIDLAW ENVIRONMENTAL SERVICES	LAUREL	4,468
7	MDD990759375	EASTALCO ALUMINUM CO	FREDERICK	2,472
8	MDD000215160	SHERWIN WILLIAMS CO	BALTIMORE	1,774
9	MDD981034291	SAFETY KLEEN CORP	BALTIMORE	1,690
10	MDD069396711	ALLIED SIGNAL INC	BALTIMORE	1,275
11	MDD053945432	BETHLEHEM STEEL SPARROWS POINT DIV	SPARROWS POINT	1,155
12	MDD985369305	SPECTRA INC	CLARKSBURG	1,019
13	MDD008424434	EXXON CO USA	BALTIMORE	980
14	MDD000737106	SAFETY KLEEN CORP	GLEN BURNIE	963
15	MDD003091972	GM TRUCK & BUS GROUP	BALTIMORE	818
16	MDD086140944	AVISTA SHEFFIELD EAST INC	BALTIMORE	733
17	MDD985372143	CITRUS & ALLIED ESSENCES	BELCAMP	651
18	MD3210021355	U S ARMY GARRISON ABERDEEN PROVING GRND	APG	611
19	MDD990686222	CONDEA VISTA COMPANY	BALTIMORE	579
20	MDR000015792	CAMBRIDGE MGP SITE	CAMBRIDGE	541
21	MDD062011796	MINERAL PIGMENTS	BELTSVILLE	408
22	MDD003419090	LOCKHEED MARTIN	BALTIMORE	359
23	MDR000001057	BFI	BALTIMORE	338
24	MDD002901197	CARR LOWREY GLASS CO	BALTIMORE	330
25	MDD095353348	SECURITY FENCE SUPPLY	BLADENSBURG	295
26	MDD003075942	CYTEC INDUSTRIES INC	HAVRE DE GRACE	265
27	MDD089945950	INTERNATIONAL PAPER	ODENTON	219
28	MDD980551600	MPR CO INC	COCKEYSVILLE	210
29	MDD108077496	CHOPTANK ELECTIRC COOP INC	DENTON	187
30	MDD003255163	DURON INC	BELTSVILLE	177
31	MDD005971650	UNITED STATES CAN CO	SPARROWS POINT	177
32	MDD980829873	UNIVERSITY OF MD AT COLLEGE PARK	COLLEGE PARK	167
33	MDD000619395	BALTIMORE GAS & ELECTRIC CO	BALTIMORE	166
34	MDD003063278	LENMAR INC	BALTIMORE	153
35	MDD003075207	SIGNODE EASTERN OPERATIONS	BLATIMORE	145
36	MDD038942884	CONSOLIDATED PHARMACEUTICAL GROUP	BALTIMORE	142
37	MDR000001230	REPUBLIC ENGINEERED STEELS INCLTY P	BALTIMORE	137
38	MD2970590004	NATIONAL SECURITY AGENCY	FORT MEADE	135
39	MDD046041885	WATKINS JOHNSON CO	GAITHERSBURG	123
40	MD6150004095	NATIONAL INSTITUTES OF HEALTH	BETHESDA	115
41	MDD003093507	MILLENNIUM SPECIALTY CHEMICALS	BALTIMORE	114
42	MDD982363426	ROHR INC	HAGERSTOWN	103
43	MDD003082997	NOXELL CORP	HUNT VALLEY	103
44	MDD053936464	POTOMAC ELECTRIC POWER CO	NEWBURG	101
45	MDD074933961	W R GRACE & CO	COLUMBIA	100
46	MDD003102753	METAL FINISHING INC	HAGERSWOTN	89
47	MDD092391945	E M D S INC	GAITHERSBURG	89
48	MDD054573456	SHEEHY FORD OF GIATHERSBURG	GAITHERSBURG	88
49	MDD003065877	BLACK & DECKER INC	HAMPSTEAD	88
50	MDD056497589	VPI MIRREX CORP	SALISUBRY	82

TOTAL

96,856

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY SHIPPERS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

MARYLAND

1997 WASTE RECEIPTS

15 NUMBER OF RCRA HAZARDOUS WASTE RECEIVERS: **6**

16 QUANTITY OF RCRA HAZARDOUS WASTE RECEIVED: **26,040 TONS**

17 FIFTY LARGEST RCRA HAZARDOUS WASTE RECEIVERS, 1997

RANK	EPA ID	SITE NAME	CITY	QUANTITY RECEIVED (TONS)
----	-----	-----	----	-----
1	MDD980555189	CLEAN HARBORS OF BALTIMORE INC	BALTIMORE	14,383
2	MDD980554653	LAIDLAW ENVIRONMENTAL SERVICES	LAUREL	9,629
3	MDD981034291	SAFETY KLEEN CORP	BALTIMORE	1,066
4	MDD000737106	SAFETY KLEEN CORP	GLEN BURNIE	954
5	MD6150004095	NATIONAL INSTITUTES OF HEALTH	BETHESDA	5
6	MD4170024109	NAVAL SURFACE WARFARE CENTER	INDIAN HEAD	3

TOTAL				26,040
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NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY FACILITIES THAT RECEIVED WASTE.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

MARYLAND

1997 WASTE RECEIPTS, CONTINUED

18 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY MANAGEMENT METHOD,
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
METALS RECOVERY (FOR REUSE)	M011-M019	0	.0	1	33.3
SOLVENTS RECOVERY	M021-M029	150	11.2	1	33.3
INCINERATION	M041-M049	28	2.1	2	66.7
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	1	.1	1	33.3
STABILIZATION	M111-M119	1,162	86.5	2	66.7
LANDFILL	M132	1	.1	1	33.3
TOTAL		1,342	100.0	3	

19 MANAGEMENT METHOD, BY QUANTITY OF RCRA HAZARDOUS WASTE MANAGED
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
STABILIZATION	M111-M119	1,162	86.5	2	66.7
SOLVENTS RECOVERY	M021-M029	150	11.2	1	33.3
INCINERATION	M041-M049	28	2.1	2	66.7
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	1	.1	1	33.3
LANDFILL	M132	1	.1	1	33.3
METALS RECOVERY (FOR REUSE)	M011-M019	0	.0	1	33.3
TOTAL		1,342	100.0	3	

20 MANAGEMENT METHOD AND QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY NUMBER OF FACILITIES,
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
INCINERATION	M041-M049	28	2.1	2	66.7
STABILIZATION	M111-M119	1,162	86.5	2	66.7
LANDFILL	M132	1	.1	1	33.3
METALS RECOVERY (FOR REUSE)	M011-M019	0	.0	1	33.3
SOLVENTS RECOVERY	M021-M029	150	11.2	1	33.3
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	1	.1	1	33.3
TOTAL		1,342	100.0	3	

NOTE: FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.
COLUMNS MAY NOT SUM DUE TO ROUNDING.
COLUMNS MAY NOT SUM TO TOTAL BECAUSE FACILITIES MAY HAVE MULTIPLE HANDLING METHODS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

MARYLAND

1997 IMPORTS AND EXPORTS

21	QUANTITY OF RCRA HAZARDOUS WASTE IMPORTED:	20,406 TONS
22	QUANTITY OF RCRA HAZARDOUS WASTE EXPORTED:	98,480 TONS

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

MASSACHUSETTS

1997 WASTE GENERATION

1 NUMBER OF RCRA LARGE QUANTITY GENERATORS (LQGS): 474

2 QUANTITY OF RCRA HAZARDOUS WASTE GENERATED: 94,467 TONS

3 FIFTY LARGEST RCRA HAZARDOUS WASTE GENERATORS IN THE STATE, 1997

RANK	EPA ID	SITE NAME	CITY	TOTAL GENERATED (TONS)
1	MA5000001040	MA HIGHWAY DEPT.-CAT PROJECT	BOSTON	46,676
2	MAD980912323	CHEMDESIGN CORPORATION	FITCHBURG	3,262
3	MAD001402320	POLAROID CORP.	WALTHAM	2,822
4	MAD985293802	REXAM GRAPHICS	SOUTH HADLEY	1,944
5	MAD990886301	ALTRON INCORPORATED	WILMINGTON	1,925
6	MAD019371079	GENERAL CHEMICAL CORPORATION	FRAMINGHAM	1,770
7	MAD001039767	BOSTIK INC	MIDDLETON	1,713
8	MAD007325814	TEXAS INSTRUMENTS, INC.	ATTLEBORO	1,541
9	MAD051505477	ZENECA SPECIALTIES	DIGHTON	1,120
10	MAD001408517	GENERAL ELECTRIC AIRCRAFT ENGINES	LYNN	1,057
11	MAD001119593	WESTFIELD ELECTROPLATING CO.	WESTFIELD	977
12	MAD001065069	ITW DEVCON	DANVERS	881
13	MAD047982152	COYNE TEXTILE SERVICES	NEW BEDFORD	844
14	MAD001016302	DENNISON MFG. COMPANY	FRAMINGHAM	778
15	MAD094277571	GLOBAL PETROLEUM CORPORATION	REVERE	708
16	MAD002084093	GENERAL ELECTRIC COMPANY	PITTSFIELD	654
17	MAD041172719	CHEMET CORPORATION	ATTLEBORO	600
18	MAD056019979	IDEAL TAPE COMPANY	LOWELL	582
19	MAD000846493	POLAROID CORPORATION	ASSONET	582
20	MAD001114818	SOLUTIA INC.	SPRINGFIELD	569
21	MAD001060698	LOCKHEED MARTIN CORPORATION	BURLINGTON	545
22	MAD981215411	INNOVATIVE MEMBRANE SYSTEMS INC.	NORWOOD	532
23	MAD058060476	POLAROID CORPORATION	NEW BEDFORD	525
24	MAD043066323	UNITED CIRCUITS, INC.	DRACUT	511
25	MAD001067941	RODNEY METALS	NEW BEDFORD	501
26	MAD001055235	RAYTHEON SYSTEMS COMPANY	ANDOVER	465
27	MAR000007955	BORREGAARD SYNTHESIS, INC.	NEWBURYPORT	454
28	MAD000844498	SHIPLEY COMPANY, L.L.C.	MARLBOROUGH	446
29	MAD053452637	CLEAN HARBORS OF BRAINTREE, INC.	BRAINTREE	429
30	MAD062163191	POLAROID CORPORATION	NORWOOD	420
31	MAD076575513	BOSTON OPERATIONS CENTER/BOSTON EDISON	BOSTON	417
32	MAD051778934	PARLEX CORPORATION	METHUEN	417
33	MAD001136035	FLEXCON COMPANY, INC.	SPENCER	405
34	MA5000005363	SOUTH BAY INCINERATOR	SOUTH BOSTON	375
35	MAD000649640	ANALOG DEVICES/WILMINGTON MANUFACTURING	WILMINGTON	311
36	MAD001047620	DUNCAN GALVANIZING	EVERETT	302
37	MAD985290055	BABS FOUNDRY, INC.	NORTON	300
38	MAD048974349	HANDY AND HARMAN ELECTRONIC MATL'S CORP.	NORTH ATTLEBORO	293
39	MAD000844597	WATERS CORPORATION	TAUNTON	283
40	MAD046613279	ATTLEBORO REFINING CO -- HANDY & HARMAN	ATTLEBORO	280
41	MAD985290980	WAKEFIELD ENGINEERING INC	FALL RIVER	277
42	MAD041710609	TECH-ETCH, INC.	PLYMOUTH	263
43	MAD001125681	THE L.S. STARRETT COMPANY	ATHOL	261
44	MAD001033190	GLOBE MANUFACTURING CO.	FALL RIVER	240
45	MAD000829994	TUBED PRODUCTS INC.	EASTAMPTON	227
46	MAD000844977	STAHL USA	PEABODY	215
47	MAD980522577	LEWCOTT CORPORATION	MILLBURY	205
48	MAD985290329	PERSEPTIVE BIOSYSTEMS, INC.	CAMBRIDGE	197
49	MAD001030576	MALDEN MILLS INDUSTRIES, INC.	LAWRENCE	196
50	MAD985290865	OMNIGLOW CORPORATION	WEST SPRINGFIELD	195

TOTAL

81,494

NOTE: STATE MAY HAVE FEWER THAN FIFTY GENERATORS.
GENERATORS WITH ZERO QUANTITY GENERATED ARE EXCLUDED.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

MASSACHUSETTS

1997 WASTE GENERATION, CONTINUED

4 QUANTITIES OF WASTE GENERATED IN 1997 THAT WERE

- REPORTED WITH ONLY CHARACTERISTIC WASTE CODES
 - REPORTED WITH ONLY LISTED WASTE CODES
 - REPORTED WITH BOTH CHARACTERISTIC AND LISTED WASTE CODES

WASTE HAS ONLY CHARACTERISTIC CODES	TONS OF WASTE GENERATED	WASTE HAS ONLY LISTED CODES	TONS OF WASTE GENERATED	WASTE HAS BOTH CHARACTERISTIC AND LISTED CODES	TONS OF WASTE GENERATED
ONLY IGNITABLE	5,058	ONLY AN F CODE	6,191		
ONLY CORROSIVE	1,706	ONLY A K CODE	0		
ONLY REACTIVE	50	ONLY A P CODE	4		
ONLY D004-17	5,963	ONLY A U CODE	909		
ONLY D018-43	856				
HAS MORE THAN ONE CHARACTERISTIC CODE	52,480	HAS MORE THAN ONE LISTED CODE	0		
TOTAL	66,113	TOTAL	7,104	BOTH CHARACTERISTIC & LISTED	21,108

5 QUANTITIES OF WASTE GENERATED IN 1997 THAT WERE MULTIPLY CODED

WASTE HAS ONLY CHARACTERISTIC CODES BUT MORE THAN ONE APPLIES	TONS OF WASTE GENERATED	ONLY LISTED CODES BUT HAS MORE THAN ONE	TONS OF WASTE GENERATED	BOTH CHAR, AND LISTED CODES	TONS OF WASTE GENERATED
HAS IGNITABLE CODE	48,607			IGN. W/ AT LEAST 1 LSTD	15,509
HAS CORROSIVE CODE	50,161			CORR. W/ AT LEAST 1 LSTD	1,401
HAS REACTIVE CODE	46,803			REACT. W/ AT LEAST 1 LSTD	390
HAS D004-D017 CODE	51,581			D004-17 W/ AT LEAST 1 LSTD	6,717
HAS D018-D043 CODE	47,978			D018-43 W/ AT LEAST 1 LSTD	9,482
		HAS AN F CODE	0	F WASTE W/ AT LEAST 1 CHAR	21,053
		HAS A K CODE	0	K WASTE W/ AT LEAST 1 CHAR	0
		HAS A P CODE	0	P WASTE W/ AT LEAST 1 CHAR	89
		HAS A U CODE	0	U WASTE W/ AT LEAST 1 CHAR	570
TOTAL	52,480	TOTAL	0	TOTAL	21,108

NOTE: COLUMNS DO NOT SUM TO TOTAL BECAUSE A WASTE CODE MAY APPLY TO MORE THAN ONE WASTE.
 MIXTURES WITH IGNITABLE, CORROSIVE, REACTIVE, D004-17, AND D018-43 CHARACTERISTIC CODES ALSO MAY
 CONTAIN OTHER CHARACTERISTIC WASTE CODES.
 SIMILARLY, WASTES WITH F,K,P, AND U LISTED CODES MAY HAVE OTHER LISTED WASTE CODES.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

MASSACHUSETTS

1997 WASTE MANAGEMENT

6 NUMBER OF RCRA TSD FACILITIES: 28

7 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED: 16,467 TONS

8 FIFTY LARGEST RCRA HAZARDOUS WASTE MANAGEMENT FACILITIES, 1997

RANK	EPA ID	SITE NAME	CITY	TONS OF WASTE MANAGED
----	-----	-----	----	-----
1	MAD053452637	CLEAN HARBORS OF BRAINTREE, INC.	BRAINTREE	13,744
2	MAD001039767	BOSTIK INC	MIDDLETON	1,554
3	MAD019371079	GENERAL CHEMICAL CORPORATION	FRAMINGHAM	657
4	MAD046613279	ATTLEBORO REFINING CO -- HANDY & HARMAN	ATTLEBORO	412
5	MAD062179890	ENVIRONMENTAL COMPLIANCE CORPORATION	STOUGHTON	75
6	MAD053483467	THE GILLETTE COMPANY	ANDOVER	25
TOTAL				16,467

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY FACILITIES THAT MANAGED WASTE.
FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

MASSACHUSETTS

1997 WASTE MANAGEMENT, CONTINUED

9 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY MANAGEMENT METHOD, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
-----	-----	-----	-----	-----	-----
METALS RECOVERY (FOR REUSE)	M011-M019	412	2.5	1	16.7
SOLVENTS RECOVERY	M021-M029	839	5.1	2	33.3
INCINERATION	M041-M049	1	.0	1	16.7
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	1,654	10.0	3	50.0
FUEL BLENDING	M061	12	.1	1	16.7
STABILIZATION	M111-M119	13,549	82.3	1	16.7
LANDFILL	M132	1	.0	1	16.7
TOTAL		16,467	100.0	6	

10 MANAGEMENT METHOD, BY QUANTITY OF RCRA HAZARDOUS WASTE MANAGED, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
-----	-----	-----	-----	-----	-----
STABILIZATION	M111-M119	13,549	82.3	1	16.7
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	1,654	10.0	3	50.0
SOLVENTS RECOVERY	M021-M029	839	5.1	2	33.3
METALS RECOVERY (FOR REUSE)	M011-M019	412	2.5	1	16.7
FUEL BLENDING	M061	12	.1	1	16.7
LANDFILL	M132	1	.0	1	16.7
INCINERATION	M041-M049	1	.0	1	16.7
TOTAL		16,467	100.0	6	

11 MANAGEMENT METHOD AND QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY NUMBER OF FACILITIES, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
-----	-----	-----	-----	-----	-----
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	1,654	10.0	3	50.0
SOLVENTS RECOVERY	M021-M029	839	5.1	2	33.3
FUEL BLENDING	M061	12	.1	1	16.7
LANDFILL	M132	1	.0	1	16.7
METALS RECOVERY (FOR REUSE)	M011-M019	412	2.5	1	16.7
INCINERATION	M041-M049	1	.0	1	16.7
STABILIZATION	M111-M119	13,549	82.3	1	16.7
TOTAL		16,467	100.0	6	

NOTE: FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.
COLUMNS MAY NOT SUM DUE TO ROUNDING.
COLUMNS MAY NOT SUM TO TOTAL BECAUSE FACILITIES MAY HAVE MULTIPLE HANDLING METHODS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

MASSACHUSETTS

1997 WASTE SHIPMENTS

12 NUMBER OF RCRA HAZARDOUS WASTE SHIPPERS: 443

13 QUANTITY OF RCRA HAZARDOUS WASTE SHIPPED: 121,390 TONS

14 FIFTY LARGEST RCRA HAZARDOUS WASTE SHIPPERS, 1997

RANK	EPA ID	SITE NAME	CITY	QUANTITY SHIPPED (TONS)
----	-----	-----	----	-----
1	MA5000001040	MA HIGHWAY DEPT.-CAT PROJECT	BOSTON	46,674
2	MAD000604447	LAIDLAW ENVIRONMENTAL SERVICES (NE)	LAWRENCE	17,461
3	MAD053452637	CLEAN HARBORS OF BRAINTREE, INC.	BRAINTREE	8,792
4	MAD019371079	GENERAL CHEMICAL CORPORATION	FRAMINGHAM	3,417
5	MAD980912323	CHEMDESIGN CORPORATION	FITCHBURG	3,262
6	MAD001402320	POLAROID CORP.	WALTHAM	2,240
7	MAD088978143	SAFETY KLEEN CORP	MARLBOROUGH	2,018
8	MAD990886301	ALTRON INCORPORATED	WILMINGTON	1,925
9	MAD052924495	ZECCO, INC.	NORTHBORO	1,846
10	MAD985293802	REXAM GRAPHICS	SOUTH HADLEY	1,522
11	MAD007325814	TEXAS INSTRUMENTS, INC.	ATTLEBORO	1,494
12	MAD051505477	ZENECA SPECIALTIES	DIGHTON	1,120
13	MAD001119593	WESTFIELD ELECTROPLATING CO.	WESTFIELD	978
14	MAD001408517	GENERAL ELECTRIC AIRCRAFT ENGINES	LYNN	886
15	MAD047982152	COYNE TEXTILE SERVICES	NEW BEDFORD	844
16	MAD096287354	SAFETY KLEEN CORP	W BROOKFIELD	806
17	MAD000846006	SAFETY-KLEEN CORP.	BRIDGEWATER	800
18	MAD060095569	SAFETY KLEEN CORP	SALISBURY	716
19	MAD094277571	GLOBAL PETROLEUM CORPORATION	REVERE	708
20	MAD002084093	GENERAL ELECTRIC COMPANY	PITTSFIELD	635
21	MAD000846493	POLAROID CORPORATION	ASSONET	586
22	MAD056019979	IDEAL TAPE COMPANY	LOWELL	582
23	MAD001114818	SOLUTIA INC.	SPRINGFIELD	577
24	MAD001060698	LOCKHEED MARTIN CORPORATION	BURLINGTON	545
25	MAD001067941	RODNEY METALS	NEW BEDFORD	501
26	MAD001055235	RAYTHEON SYSTEMS COMPANY	ANDOVER	466
27	MAR000007955	BORREGAARD SYNTHESIS, INC.	NEWBURYPORT	454
28	MAD000844498	SHIPLEY COMPANY, L.L.C.	MARLBOROUGH	446
29	MAD062163191	POLAROID CORPORATION	NORWOOD	419
30	MAD076575513	BOSTON OPERATIONS CENTER/BOSTON EDISON	BOSTON	417
31	MAD051778934	PARLEX CORPORATION	METHUEN	412
32	MAD001016302	DENNISON MFG. COMPANY	FRAMINGHAM	412
33	MAD001136035	FLEXCON COMPANY, INC.	SPENCER	405
34	MAD000649640	ANALOG DEVICES/WILMINGTON MANUFACTURING	WILMINGTON	311
35	MAD001047620	DUNCAN GALVANIZING	EVERETT	302
36	MAD985290055	BABS FOUNDRY, INC.	NORTON	296
37	MAD048974349	HANDY AND HARMAN ELECTRONIC MATL'S CORP.	NORTH ATTLEBORO	293
38	MAD000844597	WATERS CORPORATION	TAUNTON	283
39	MAD046613279	ATTLEBORO REFINING CO -- HANDY & HARMAN	ATTLEBORO	280
40	MAD985290980	WAKEFIELD ENGINEERING INC	FALL RIVER	277
41	MAD058060476	POLAROID CORPORATION	NEW BEDFORD	276
42	MAD001125681	THE L.S. STARRETT COMPANY	ATHOL	261
43	MAD000829994	TUBED PRODUCTS INC.	EASTAMPTON	227
44	MAD001030576	MALDEN MILLS INDUSTRIES, INC.	LAWRENCE	199
45	MAD985290329	PERSEPTIVE BIOSYSTEMS, INC.	CAMBRIDGE	197
46	MAD985290865	OMNIGLOW CORPORATION	WEST SPRINGFIELD	195
47	MAD053451019	CAMGER CHEMICAL SYSTEMS	NORFOLK	183
48	MAD980732614	ANIKA RESEARCH (THERAPEUTICS)	WOBBURN	181
49	MAD985280825	ESP LOCK PRODUCTS	LEOMINSTER	177
50	MAD063894786	GENERAL METAL FINISHING CO., INC.	ATTLEBORO	177

TOTAL

108,484

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY SHIPPERS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

MASSACHUSETTS**1997 WASTE RECEIPTS****15** NUMBER OF RCRA HAZARDOUS WASTE RECEIVERS: **12****16** QUANTITY OF RCRA HAZARDOUS WASTE RECEIVED: **52,293 TONS****17** FIFTY LARGEST RCRA HAZARDOUS WASTE RECEIVERS, 1997

RANK	EPA ID	SITE NAME	CITY	QUANTITY RECEIVED (TONS)
----	-----	-----	----	-----
1	MAD053452637	CLEAN HARBORS OF BRAINTREE, INC.	BRAINTREE	26,215
2	MAD000604447	LAIDLAW ENVIRONMENTAL SERVICES (NE)	LAWRENCE	18,566
3	MAD019371079	GENERAL CHEMICAL CORPORATION	FRAMINGHAM	2,458
4	MAD052924495	ZECCO, INC.	NORTHBORO	1,620
5	MAD088978143	SAFETY KLEEN CORP	MARLBOROUGH	1,099
6	MAD060095569	SAFETY KLEEN CORP	SALISBURY	787
7	MAD000846006	SAFETY-KLEEN CORP.	BRIDGEWATER	633
8	MAD096287354	SAFETY KLEEN CORP	W BROOKFIELD	632
9	MAD047075734	GEOCHEM	LOWELL	146
10	MAD062179890	ENVIRONMENTAL COMPLIANCE CORPORATION	STOUGHTON	75
11	MAD046613279	ATTLEBORO REFINING CO -- HANDY & HARMAN	ATTLEBORO	39
12	MAD980523203	CLEAN HARBORS OF NATICK, INC	NATICK	24

TOTAL				52,293
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NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY FACILITIES THAT RECEIVED WASTE.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

MASSACHUSETTS

1997 WASTE RECEIPTS, CONTINUED

18 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY MANAGEMENT METHOD,
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
METALS RECOVERY (FOR REUSE)	M011-M019	39	.3	1	25.0
SOLVENTS RECOVERY	M021-M029	839	5.8	2	50.0
INCINERATION	M041-M049	1	.0	1	25.0
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	75	.5	1	25.0
FUEL BLENDING	M061	12	.1	1	25.0
STABILIZATION	M111-M119	13,549	93.4	1	25.0
LANDFILL	M132	1	.0	1	25.0
TOTAL		14,514	100.0	4	

19 MANAGEMENT METHOD, BY QUANTITY OF RCRA HAZARDOUS WASTE MANAGED
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
STABILIZATION	M111-M119	13,549	93.4	1	25.0
SOLVENTS RECOVERY	M021-M029	839	5.8	2	50.0
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	75	.5	1	25.0
METALS RECOVERY (FOR REUSE)	M011-M019	39	.3	1	25.0
FUEL BLENDING	M061	12	.1	1	25.0
LANDFILL	M132	1	.0	1	25.0
INCINERATION	M041-M049	1	.0	1	25.0
TOTAL		14,514	100.0	4	

20 MANAGEMENT METHOD AND QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY NUMBER OF FACILITIES,
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
SOLVENTS RECOVERY	M021-M029	839	5.8	2	50.0
FUEL BLENDING	M061	12	.1	1	25.0
LANDFILL	M132	1	.0	1	25.0
METALS RECOVERY (FOR REUSE)	M011-M019	39	.3	1	25.0
INCINERATION	M041-M049	1	.0	1	25.0
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	75	.5	1	25.0
STABILIZATION	M111-M119	13,549	93.4	1	25.0
TOTAL		14,514	100.0	4	

NOTE: FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.
COLUMNS MAY NOT SUM DUE TO ROUNDING.
COLUMNS MAY NOT SUM TO TOTAL BECAUSE FACILITIES MAY HAVE MULTIPLE HANDLING METHODS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

MASSACHUSETTS

1997 IMPORTS AND EXPORTS

21	QUANTITY OF RCRA HAZARDOUS WASTE IMPORTED:	18,659 TONS
22	QUANTITY OF RCRA HAZARDOUS WASTE EXPORTED:	98,692 TONS

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

MICHIGAN

1997 WASTE GENERATION

1 NUMBER OF RCRA LARGE QUANTITY GENERATORS (LQGS): 682

2 QUANTITY OF RCRA HAZARDOUS WASTE GENERATED: 994,047 TONS

3 FIFTY LARGEST RCRA HAZARDOUS WASTE GENERATORS IN THE STATE, 1997

RANK	EPA ID	SITE NAME	CITY	TOTAL GENERATED (TONS)
1	MID006030373	LOMAC, INC.	MUSKEGON	246,061
2	MID006013643	PARKE-DAVIS, DIV. OF WARNER-LAMBERT CO.	HOLLAND	189,402
3	MID000724831	MICHIGAN DISPOSAL WASTE TREATMENT PLANT	BELLEVILLE	103,104
4	MID980615298	PETROCHEM PROCESSING GRP. OF NORTRU, INC	DETROIT	85,863
5	MID054683479	CITY ENVIRONMENTAL INC.	DETROIT	59,038
6	MID000724724	THE DOW CHEMICAL COMPANY	MIDLAND	44,128
7	MID000820381	THE UPJOHN COMPANY	KALAMAZOO	37,197
8	MID060975844	MICHIGAN RECOVERY SYSTEMS INC.	ROMULUS	24,731
9	MID048090633	WAYNE DISPOSAL, INC.	BELLEVILLE	22,739
10	MID000809632	DOW CORNING CORP. MIDLAND PLANT	MIDLAND	13,470
11	MID087054078	NORTH STAR STEEL CO., MICHIGAN DIV.	MONROE	13,048
12	MID005358130	TOTAL PETROLEUM INC. ALMA REFINERY	ALMA	11,778
13	MID005358825	E.I. DUPONT, MOUNT CLEMENS	MOUNT CLEMENS	9,656
14	MID005338801	GAGE PRODUCTS COMPANY - FERNDALE	FERNDALE	8,506
15	MID980684088	SOLVENT DISTILLERS GROUP OF NORTRU, INC.	DETROIT	6,590
16	MID080361454	WYCKOFF CHEMICAL COMPANY	SOUTH HAVEN	5,387
17	MID006545511	ESCO COMPANY, LIMITED PARTNERSHIP	MUSKEGON	4,942
18	MID006016547	STEELCASE INC., GRAND RAPIDS SITE	GRAND RAPIDS	4,194
19	MID985619824	NORTRU INCORPORATED	DETROIT	3,816
20	MID000724591	SAMUEL WHITTAR INCORPORATED	DETROIT	3,380
21	MID005379714	FORD MOTOR COMPANY, WIXOM ASSEMBLY	WIXOM	3,034
22	MID002931228	ANDERSON DEVELOPMENT CO.	ADRIAN	2,906
23	MID007138746	BASF CORPORATION, BOURKE AVE. PLANT	DETROIT	2,829
24	MID068814482	QUANEX CORPORATION, MACSTEEL	JACKSON	2,791
25	MID064197742	BASF CORPORATION	WYANDOTTE	2,391
26	MID083684290	ZEELAND CHEMICALS INCORPORATED	ZEELAND	2,049
27	MID980683775	KENTWOOD SITE/STEELCASE INC.	KENTWOOD	1,938
28	MID005379706	FORD MOTOR COMPANY, WAYNE ASSEMBLY	WAYNE	1,842
29	MID981197254	AMERICAN BUMPER AND MANUFACTURING CO.	IONIA	1,765
30	MID005043708	ERVIN AMASTEEL	ADRIAN	1,757
31	MID005356688	GM, POWERTRAIN, BAY CITY	BAY CITY	1,752
32	MID005363114	ELF ATOCHEM NORTH AMERICA, INC.	RIVERVIEW	1,664
33	MID005356902	GMC TRUCK & BUS PONTIAC EAST	PONTIAC	1,513
34	MID004320479	NATIONAL STEEL CORP, GT LAKES DIV	ECORSE	1,486
35	MID005356878	GMC-DELPHI SAGINAW STEERING SYSTEMS	SAGINAW	1,469
36	MID048784896	GUARDIAN INDUSTRIES	CARLETON	1,397
37	MID074259565	DYNECOL INCORPORATED	DETROIT	1,161
38	MID000718544	GMC, ORION ASSEMBLY	ORION	1,147
39	MID005356795	GM-WILLOW RUN ASSEMBLY	YPSILANTI	1,096
40	MID981954241	MERIDIAN	SPRING LAKE	1,026
41	MID005356951	GMC, FLINT VAN SLYKE COMPLEX	FLINT	1,012
42	MID005320031	AJAX METAL PROCESSING, PLATING	DETROIT	946
43	MID005356928	GMC, LANSING BODY PLANT	LANSING	917
44	MID980568570	GMC, DELPHI ENERGY & ENGINE MANAGEMENT	FLINT	913
45	MID084300987	MASCOTEC FORMING TECHNOLOGIES	FRASER	879
46	MIT270012198	GRAND HAVEN BRASS FOUNDRY	GRAND HAVEN	866
47	MID005356621	GENERAL MOTORS-DELPHI CHASSIS SYSTEMS	LIVONIA	856
48	MID005358783	FEDERAL-MOGUL CORPORATION	ST. JOHNS	841
49	MIR000015149	DELTA SOLID WASTE MANAGEMENT AUTHORITY	ESCANABA	833
50	MID005356712	GMC, NAO FLINT OPERATIONS	FLINT	822

TOTAL

942,928

NOTE: STATE MAY HAVE FEWER THAN FIFTY GENERATORS.
GENERATORS WITH ZERO QUANTITY GENERATED ARE EXCLUDED.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

MICHIGAN

1997 WASTE GENERATION, CONTINUED

4 QUANTITIES OF WASTE GENERATED IN 1997 THAT WERE

- REPORTED WITH ONLY CHARACTERISTIC WASTE CODES
- REPORTED WITH ONLY LISTED WASTE CODES
- REPORTED WITH BOTH CHARACTERISTIC AND LISTED WASTE CODES

WASTE HAS ONLY CHARACTERISTIC CODES	TONS OF WASTE GENERATED	WASTE HAS ONLY LISTED CODES	TONS OF WASTE GENERATED	WASTE HAS BOTH CHARACTERISTIC AND LISTED CODES	TONS OF WASTE GENERATED
ONLY IGNITABLE	16,454	ONLY AN F CODE	253,986		
ONLY CORROSIVE	193,940	ONLY A K CODE	33,844		
ONLY REACTIVE	163	ONLY A P CODE	9		
ONLY D004-17	14,778	ONLY A U CODE	537		
ONLY D018-43	5,409				
HAS MORE THAN ONE CHARACTERISTIC CODE	118,376	HAS MORE THAN ONE LISTED CODE	18,280		
TOTAL	349,120	TOTAL	306,656	BOTH CHARACTERISTIC & LISTED	337,769

5 QUANTITIES OF WASTE GENERATED IN 1997 THAT WERE MULTIPLY CODED

WASTE HAS ONLY CHARACTERISTIC CODES BUT MORE THAN ONE APPLIES	TONS OF WASTE GENERATED	ONLY LISTED CODES BUT HAS MORE THAN ONE	TONS OF WASTE GENERATED	BOTH CHAR, AND LISTED CODES	TONS OF WASTE GENERATED
HAS IGNITABLE CODE	33,820			IGN. W/ AT LEAST 1 LSTD	205,022
HAS CORROSIVE CODE	36,429			CORR. W/ AT LEAST 1 LSTD	126,508
HAS REACTIVE CODE	1,694			REACT. W/ AT LEAST 1 LSTD	5,003
HAS D004-D017 CODE	87,754			D004-17 W/ AT LEAST 1 LSTD	30,029
HAS D018-D043 CODE	87,718			D018-43 W/ AT LEAST 1 LSTD	47,167
		HAS AN F CODE	18,277	F WASTE W/ AT LEAST 1 CHAR	330,540
		HAS A K CODE	17,812	K WASTE W/ AT LEAST 1 CHAR	7,088
		HAS A P CODE	4	P WASTE W/ AT LEAST 1 CHAR	924
		HAS A U CODE	18,125	U WASTE W/ AT LEAST 1 CHAR	4,597
TOTAL	118,376	TOTAL	18,280	TOTAL	337,769

NOTE: COLUMNS DO NOT SUM TO TOTAL BECAUSE A WASTE CODE MAY APPLY TO MORE THAN ONE WASTE.
 MIXTURES WITH IGNITABLE, CORROSIVE, REACTIVE, D004-17, AND D018-43 CHARACTERISTIC CODES ALSO MAY
 CONTAIN OTHER CHARACTERISTIC WASTE CODES.
 SIMILARLY, WASTES WITH F,K,P, AND U LISTED CODES MAY HAVE OTHER LISTED WASTE CODES.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

MICHIGAN

1997 WASTE MANAGEMENT

6 NUMBER OF RCRA TSD FACILITIES: 113

7 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED: 1,075,667 TONS

8 FIFTY LARGEST RCRA HAZARDOUS WASTE MANAGEMENT FACILITIES, 1997

RANK	EPA ID	SITE NAME	CITY	TONS OF WASTE MANAGED
----	-----	-----	----	-----
1	MID000724831	MICHIGAN DISPOSAL WASTE TREATMENT PLANT	BELLEVILLE	281,184
2	MID006013643	PARKE-DAVIS, DIV. OF WARNER-LAMBERT CO.	HOLLAND	177,771
3	MID048090633	WAYNE DISPOSAL, INC.	BELLEVILLE	173,513
4	MID980615298	PETROCHEM PROCESSING GRP. OF NORTRU, INC	DETROIT	98,885
5	MID054683479	CITY ENVIRONMENTAL INC.	DETROIT	56,939
6	MID074259565	DYNECOL INCORPORATED	DETROIT	48,186
7	MID000724724	THE DOW CHEMICAL COMPANY	MIDLAND	43,620
8	MID005379607	LAFARGE CORPORATION	ALPENA	35,801
9	MID981200835	SYSTECH ENV. CORP.--LAFARGE CORPORATION	ALPENA	33,945
10	MID980991566	CITY ENVIRONMENTAL, INC.	DETROIT	25,502
11	MID035982537	POWDER COTE II	MT. CLEMENS	24,495
12	MID005338801	GAGE PRODUCTS COMPANY - FERNDALE	FERNDALE	23,919
13	MID060975844	MICHIGAN RECOVERY SYSTEMS INC.	ROMULUS	17,231
14	MID980684088	SOLVENT DISTILLERS GROUP OF NORTRU, INC.	DETROIT	15,336
15	MID980617435	THE DOW CHEMICAL COMPANY - SALZBURG LAND	MIDLAND	11,705
16	MID000820381	THE UPJOHN COMPANY	KALAMAZOO	6,586
17	MID005360680	CYTEC INDUSTRIES	KALAMAZOO	697
18	MID985567114	CYANO CORPORATION OF MICHIGAN	DETROIT	176
19	MID002971539	DUO-TANG, INC.	PAW PAW	61
20	MID098011992	CYANOKEM, INC.	DETROIT	49
21	MID057700023	ROMEO R.I.M. INCORPORATED	ROMEO	31
22	MID985578012	PLASTI-PAINT INC.	ST. LOUIS	12
23	MID982205395	KAY AUTOMOTIVE GRAPHICS	LAKE ORION	8
24	MID082859315	UTA ENGINEERED SYSTEMS	NILES	8
25	MID981192776	PLASTECH ENGINEERED PRODUCTS	ST. CLAIR SHORES	7
26	MID098644685	CONSUMERS ENERGY COMPANY	COVERT	0

TOTAL

1,075,667

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
 STATE MAY HAVE FEWER THAN FIFTY FACILITIES THAT MANAGED WASTE.
 FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

MICHIGAN

1997 WASTE MANAGEMENT, CONTINUED

9 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY MANAGEMENT METHOD, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
METALS RECOVERY (FOR REUSE)	M011-M019	1,519	.1	2	7.7
SOLVENTS RECOVERY	M021-M029	45,814	4.3	10	38.5
OTHER RECOVERY	M031-M039	3,337	.3	1	3.8
INCINERATION	M041-M049	43,665	4.1	3	11.5
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	37,076	3.4	5	19.2
FUEL BLENDING	M061	144,146	13.4	4	15.4
SLUDGE TREATMENT	M101-M109	25,206	2.3	3	11.5
STABILIZATION	M111-M119	268,475	25.0	5	19.2
LANDFILL	M132	321,829	29.9	4	15.4
DEEPWELL / UNDERGROUND INJECTION	M134	184,599	17.2	3	11.5
TOTAL		1,075,667	100.0	26	

10 MANAGEMENT METHOD, BY QUANTITY OF RCRA HAZARDOUS WASTE MANAGED, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
LANDFILL	M132	321,829	29.9	4	15.4
STABILIZATION	M111-M119	268,475	25.0	5	19.2
DEEPWELL / UNDERGROUND INJECTION	M134	184,599	17.2	3	11.5
FUEL BLENDING	M061	144,146	13.4	4	15.4
SOLVENTS RECOVERY	M021-M029	45,814	4.3	10	38.5
INCINERATION	M041-M049	43,665	4.1	3	11.5
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	37,076	3.4	5	19.2
SLUDGE TREATMENT	M101-M109	25,206	2.3	3	11.5
OTHER RECOVERY	M031-M039	3,337	.3	1	3.8
METALS RECOVERY (FOR REUSE)	M011-M019	1,519	.1	2	7.7
TOTAL		1,075,667	100.0	26	

11 MANAGEMENT METHOD AND QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY NUMBER OF FACILITIES, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
SOLVENTS RECOVERY	M021-M029	45,814	4.3	10	38.5
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	37,076	3.4	5	19.2
STABILIZATION	M111-M119	268,475	25.0	5	19.2
FUEL BLENDING	M061	144,146	13.4	4	15.4
LANDFILL	M132	321,829	29.9	4	15.4
DEEPWELL / UNDERGROUND INJECTION	M134	184,599	17.2	3	11.5
INCINERATION	M041-M049	43,665	4.1	3	11.5
SLUDGE TREATMENT	M101-M109	25,206	2.3	3	11.5
METALS RECOVERY (FOR REUSE)	M011-M019	1,519	.1	2	7.7
OTHER RECOVERY	M031-M039	3,337	.3	1	3.8
TOTAL		1,075,667	100.0	26	

NOTE: FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.
COLUMNS MAY NOT SUM DUE TO ROUNDING.
COLUMNS MAY NOT SUM TO TOTAL BECAUSE FACILITIES MAY HAVE MULTIPLE HANDLING METHODS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

MICHIGAN

1997 WASTE SHIPMENTS

12 NUMBER OF RCRA HAZARDOUS WASTE SHIPPERS: 632

13 QUANTITY OF RCRA HAZARDOUS WASTE SHIPPED: 541,142 TONS

14 FIFTY LARGEST RCRA HAZARDOUS WASTE SHIPPERS, 1997

RANK	EPA ID	SITE NAME	CITY	QUANTITY SHIPPED (TONS)
----	-----	-----	----	-----
1	MID980615298	PETROCHEM PROCESSING GRP. OF NORTRU, INC	DETROIT	85,825
2	MID054683479	CITY ENVIRONMENTAL INC.	DETROIT	59,038
3	MIR000027581	CADILLAC METAL CASTERS	CADILLAC	52,777
4	MID981200835	SYSTECH ENV. CORP.--LAFARGE CORPORATION	ALPENA	35,538
5	MID000820381	THE UPJOHN COMPANY	KALAMAZOO	30,732
6	MID060975844	MICHIGAN RECOVERY SYSTEMS INC.	ROMULUS	24,731
7	MID091605972	DETREX CORPORATION	DETROIT	19,451
8	MID048090633	WAYNE DISPOSAL, INC.	BELLEVILLE	14,055
9	MID000809632	DOW CORNING CORP. MIDLAND PLANT	MIDLAND	13,470
10	MID000724724	THE DOW CHEMICAL COMPANY	MIDLAND	13,302
11	MID087054078	NORTH STAR STEEL CO., MICHIGAN DIV.	MONROE	13,048
12	MID006013643	PARKE-DAVIS, DIV. OF WARNER-LAMBERT CO.	HOLLAND	11,631
13	MID006030373	LOMAC, INC.	MUSKEGON	11,187
14	MID005358825	E.I. DUPONT, MOUNT CLEMENS	MOUNT CLEMENS	9,386
15	MID005338801	GAGE PRODUCTS COMPANY - FERNDALE	FERNDALE	8,506
16	MID085033157	AETNA INDUSTRIES INC.	WARREN	7,328
17	MID985619824	NORTRU INCORPORATED	DETROIT	6,893
18	MID980684088	SOLVENT DISTILLERS GROUP OF NORTRU, INC.	DETROIT	6,590
19	MID000724831	MICHIGAN DISPOSAL WASTE TREATMENT PLANT	BELLEVILLE	4,385
20	MID080361454	WYCKOFF CHEMICAL COMPANY	SOUTH HAVEN	4,148
21	MID006545511	ESCO COMPANY, LIMITED PARTNERSHIP	MUSKEGON	3,588
22	MID000724591	SAMUEL WHITTAR INCORPORATED	DETROIT	3,380
23	MID005379714	FORD MOTOR COMPANY, WIXOM ASSEMBLY	WIXOM	3,034
24	MID002931228	ANDERSON DEVELOPMENT CO.	ADRIAN	2,908
25	MID007138746	BASF CORPORATION, BOURKE AVE. PLANT	DETROIT	2,829
26	MID068814482	QUANEX CORPORATION, MACSTEEL	JACKSON	2,792
27	MID064197742	BASF CORPORATION	WYANDOTTE	2,399
28	MID006016547	STEELCASE INC., GRAND RAPIDS SITE	GRAND RAPIDS	2,314
29	MID083684290	ZEELAND CHEMICALS INCORPORATED	ZEELAND	2,049
30	MID980683775	KENTWOOD SITE/STEELCASE INC.	KENTWOOD	1,938
31	MID005379706	FORD MOTOR COMPANY, WAYNE ASSEMBLY	WAYNE	1,842
32	MID981197254	AMERICAN BUMPER AND MANUFACTURING CO.	IONIA	1,765
33	MID005043708	ERVIN AMASTEEL	ADRIAN	1,757
34	MID005356688	GM, POWERTRAIN, BAY CITY	BAY CITY	1,752
35	MID005363114	ELF ATOCHEM NORTH AMERICA, INC.	RIVERVIEW	1,685
36	MID005356902	GMC TRUCK & BUS PONTIAC EAST	PONTIAC	1,513
37	MID004320479	NATIONAL STEEL CORP, GT LAKES DIV	ECORSE	1,486
38	MID005356878	GMC-DELPHI SAGINAW STEERING SYSTEMS	SAGINAW	1,469
39	MID048784896	GUARDIAN INDUSTRIES	CARLETON	1,397
40	MID074259565	DYNECOL INCORPORATED	DETROIT	1,161
41	MID000718544	GMC, ORION ASSEMBLY	ORION	1,155
42	MID005356795	GM-WILLOW RUN ASSEMBLY	YPSILANTI	1,096
43	MID005356951	GMC, FLINT VAN SLYKE COMPLEX	FLINT	1,012
44	MID985663251	SAFETY KLEEN CORP	ROMULUS	949
45	MID005320031	AJAX METAL PROCESSING, PLATING	DETROIT	946
46	MID005356928	GMC, LANSING BODY PLANT	LANSING	917
47	MID980568570	GMC, DELPHI ENERGY & ENGINE MANAGEMENT	FLINT	913
48	MID000722686	SAFETY KLEEN CORP	PONTIAC	889
49	MID084300987	MASCOTEC FORMING TECHNOLOGIES	FRASER	879
50	MID005356621	GENERAL MOTORS-DELPHI CHASSIS SYSTEMS	LIVONIA	873

TOTAL

484,711

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY SHIPPERS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

MICHIGAN

1997 WASTE RECEIPTS

15 NUMBER OF RCRA HAZARDOUS WASTE RECEIVERS: 20

16 QUANTITY OF RCRA HAZARDOUS WASTE RECEIVED: 732,643 TONS

17 FIFTY LARGEST RCRA HAZARDOUS WASTE RECEIVERS, 1997

RANK	EPA ID	SITE NAME	CITY	QUANTITY RECEIVED (TONS)
----	-----	-----	----	-----
1	MID000724831	MICHIGAN DISPOSAL WASTE TREATMENT PLANT	BELLEVILLE	184,911
2	MID048090633	WAYNE DISPOSAL, INC.	BELLEVILLE	162,563
3	MID980615298	PETROCHEM PROCESSING GRP. OF NORTRU, INC	DETROIT	98,847
4	MID054683479	CITY ENVIRONMENTAL INC.	DETROIT	56,939
5	MID074259565	DYNECOL INCORPORATED	DETROIT	48,186
6	MID005379607	LAFARGE CORPORATION	ALPENA	35,801
7	MID981200835	SYSTECH ENV. CORP.--LAFARGE CORPORATION	ALPENA	33,945
8	MID980991566	CITY ENVIRONMENTAL, INC.	DETROIT	25,502
9	MID005338801	GAGE PRODUCTS COMPANY - FERNDALE	FERNDALE	23,921
10	MID060975844	MICHIGAN RECOVERY SYSTEMS INC.	ROMULUS	22,420
11	MID980684088	SOLVENT DISTILLERS GROUP OF NORTRU, INC.	DETROIT	16,928
12	MID980617435	THE DOW CHEMICAL COMPANY - SALZBURG LAND	MIDLAND	11,705
13	MID000724724	THE DOW CHEMICAL COMPANY	MIDLAND	6,742
14	MID091605972	DETREX CORPORATION	DETROIT	3,298
15	MID098011992	CYANOKEM, INC.	DETROIT	557
16	MID985567114	CYANO CORPORATION OF MICHIGAN	DETROIT	176
17	MID000820381	THE UPJOHN COMPANY	KALAMAZOO	135
18	MID053343976	MICHIGAN STATE UNIVERSITY	EAST LANSING	53
19	MID981192776	PLASTECH ENGINEERED PRODUCTS	ST. CLAIR SHORES	7
20	MID985568021	CHEMICAL ANALYTICS, INCORPORATED	ROMULUS	7
TOTAL				732,643

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY FACILITIES THAT RECEIVED WASTE.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

MICHIGAN

1997 WASTE RECEIPTS, CONTINUED

18 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY MANAGEMENT METHOD,
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
METALS RECOVERY (FOR REUSE)	M011-M019	1,519	.2	2	11.8
SOLVENTS RECOVERY	M021-M029	45,694	6.4	4	23.5
OTHER RECOVERY	M031-M039	3,337	.5	1	5.9
INCINERATION	M041-M049	6,919	1.0	3	17.6
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	35,801	5.0	2	11.8
FUEL BLENDING	M061	144,146	20.0	4	23.5
SLUDGE TREATMENT	M101-M109	710	.1	2	11.8
STABILIZATION	M111-M119	265,961	37.0	4	23.5
LANDFILL	M132	214,618	29.8	3	17.6
DEEPWELL / UNDERGROUND INJECTION	M134	746	.1	2	11.8
TOTAL		719,452	100.0	17	

19 MANAGEMENT METHOD, BY QUANTITY OF RCRA HAZARDOUS WASTE MANAGED
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
STABILIZATION	M111-M119	265,961	37.0	4	23.5
LANDFILL	M132	214,618	29.8	3	17.6
FUEL BLENDING	M061	144,146	20.0	4	23.5
SOLVENTS RECOVERY	M021-M029	45,694	6.4	4	23.5
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	35,801	5.0	2	11.8
INCINERATION	M041-M049	6,919	1.0	3	17.6
OTHER RECOVERY	M031-M039	3,337	.5	1	5.9
METALS RECOVERY (FOR REUSE)	M011-M019	1,519	.2	2	11.8
DEEPWELL / UNDERGROUND INJECTION	M134	746	.1	2	11.8
SLUDGE TREATMENT	M101-M109	710	.1	2	11.8
TOTAL		719,452	100.0	17	

20 MANAGEMENT METHOD AND QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY NUMBER OF FACILITIES,
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
FUEL BLENDING	M061	144,146	20.0	4	23.5
SOLVENTS RECOVERY	M021-M029	45,694	6.4	4	23.5
STABILIZATION	M111-M119	265,961	37.0	4	23.5
LANDFILL	M132	214,618	29.8	3	17.6
INCINERATION	M041-M049	6,919	1.0	3	17.6
DEEPWELL / UNDERGROUND INJECTION	M134	746	.1	2	11.8
METALS RECOVERY (FOR REUSE)	M011-M019	1,519	.2	2	11.8
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	35,801	5.0	2	11.8
SLUDGE TREATMENT	M101-M109	710	.1	2	11.8
OTHER RECOVERY	M031-M039	3,337	.5	1	5.9
TOTAL		719,452	100.0	17	

NOTE: FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.
COLUMNS MAY NOT SUM DUE TO ROUNDING.
COLUMNS MAY NOT SUM TO TOTAL BECAUSE FACILITIES MAY HAVE MULTIPLE HANDLING METHODS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

MICHIGAN

1997 IMPORTS AND EXPORTS

21	QUANTITY OF RCRA HAZARDOUS WASTE IMPORTED:	394,406 TONS
22	QUANTITY OF RCRA HAZARDOUS WASTE EXPORTED:	189,391 TONS

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

MINNESOTA

1997 WASTE GENERATION

1 NUMBER OF RCRA LARGE QUANTITY GENERATORS (LQGS): 274

2 QUANTITY OF RCRA HAZARDOUS WASTE GENERATED: 427,390 TONS

3 FIFTY LARGEST RCRA HAZARDOUS WASTE GENERATORS IN THE STATE, 1997

RANK	EPA ID	SITE NAME	CITY	TOTAL GENERATED (TONS)
----	-----	-----	----	-----
1	MND006148092	GOPHER RESOURCE CORP	EAGAN	340,701
2	MND981195167	B.J. CARNEY CO SUPERFUND SITE	MINNEAPOLIS	17,754
3	MNR000053678	CEDAR SERVICE SITE	MINNEAPOLIS	12,241
4	MND006172969	3M COTTAGE GROVE	COTTAGE GROVE	9,912
5	MND041775008	NORTH STAR STEEL	ST PAUL	9,203
6	MND980681589	AVTEC FINISHING SYSTEMS	NEW HOPE	5,744
7	MND981098478	U. S. FILTER RECOVERY SERVICES INC.	ROSEVILLE	3,778
8	MND001037639	ADVANCE CIRCUITS, INC.	ROSEVILLE	2,090
9	MND006147268	SHELDahl INC	NORTHFIELD	2,081
10	MND006172902	3M TAPE MANUFACTURING DIVISION	HUTCHINSON	1,947
11	MND006456768	HUTCHINSON TECHNOLOGY INC	HUTCHINSON	1,559
12	MND980700900	THE BUREAU, ELECTRONICS GROUP	MINNEAPOLIS	1,342
13	MN7213820908	US ARMY TWIN CITIES ARMY AMMO PLANT	ARDEN HILLS	1,197
14	MND000824029	3M MAIN PLANT	ST PAUL	1,012
15	MND006173082	3 M CENTER-MAINTENANCE RESEARCH	MAPLEWOOD	999
16	MND042651687	ADVANCE CIRCUITS, INC.	MINNETONKA	855
17	MND000686071	KOCH REFINING COMPANY- PINE BEND	ROSEMOUNT	793
18	MND006156590	FEDERAL-HOFFMAN INC	ANOKA	769
19	MND006207773	FORD MOTOR COMPANY	ST. PAUL	735
20	MND006161756	IBM CORPORATION	ROCHESTER	623
21	MND985767482	ECO FINISHING INC	FRIDLEY	541
22	MND076522267	AG-CHEM EQUIPMENT	JACKSON	464
23	MND990860470	BUCKBEE MEARS ST PAUL	ST PAUL	425
24	MND006963508	NORTHWEST AIRLINES, INC.	ST. PAUL	396
25	MND006253801	SUPERIOR PLATING INC	MINNEAPOLIS	375
26	MND006219232	MICOM CORPORATION	NEW BRIGHTON	315
27	MND985668227	PRECISION DIVERSIFIED IND INC	PLYMOUTH	239
28	MND000808923	CONSOLIDATED CONTAINER CORP.	MINNEAPOLIS	234
29	MND079727061	AMERICAN NATIONAL CAN COMPANY	MINNEAPOLIS	228
30	MND006160014	PLATING INCORPORATED	ST PAUL	227
31	MND006478523	DOUGLAS CORP PLATING DIVISION	ST LOUIS PARK	214
32	MN0000903468	RECYCLIGHTS, INC.	BLOOMINGTON	199
33	MND980501167	CRENLO INC PLANT #2	ROCHESTER	198
34	MND006209860	CRYSTAL CABINET WORKS INC	PRINCETON	187
35	MNT280010257	NICO PRODUCTS, INC.	MINNEAPOLIS	186
36	MND000293076	SEAGATE TECHNOLOGY INC.	BLOOMINGTON	175
37	MND006167332	ANDERSEN CORPORATION	BAYPORT	174
38	MND022888143	DETERMAN WELDING AND TANK SERVICE	FRIDLEY	167
39	MND982639775	TRC CIRCUITS INC.	CRYSTAL	156
40	MND118765791	CYPRESS SEMICONDUCTOR INC	BLOOMINGTON	150
41	MND050742014	CROWN & CORK & SEAL-FARIBAULT	FARIBAULT	149
42	MND006162820	MARATHON ASHLAND PETROLEUM, LLC	ST. PAUL PARK	142
43	MND078680790	3M STILLWATER BLDG 1	STILLWATER	124
44	MNT280010034	CIRCUIT SCIENCE	PLYMOUTH	123
45	MND079723979	3M ELECTRICAL PRODUCTS DIV. NE	NEW ULM	115
46	MND985713452	CENTURY CIRCUITS & ELECTRONICS	ST. PAUL	115
47	MND006147045	CYTEC FIBERITE INC	WINONA	113
48	MND980682918	CSD ACQUISITION CORP	NEW HOPE	109
49	MND980794705	DOUGLAS CORPORATION	EDEN PRAIRIE	108
50	MND982205874	BERGQUIST COMPANY SIL PAD DIVI	CANNON FALLS	106

TOTAL

421,791

NOTE: STATE MAY HAVE FEWER THAN FIFTY GENERATORS.
GENERATORS WITH ZERO QUANTITY GENERATED ARE EXCLUDED.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

MINNESOTA

1997 WASTE GENERATION, CONTINUED

4 QUANTITIES OF WASTE GENERATED IN 1997 THAT WERE

- REPORTED WITH ONLY CHARACTERISTIC WASTE CODES
- REPORTED WITH ONLY LISTED WASTE CODES
- REPORTED WITH BOTH CHARACTERISTIC AND LISTED WASTE CODES

WASTE HAS ONLY CHARACTERISTIC CODES	TONS OF WASTE GENERATED	WASTE HAS ONLY LISTED CODES	TONS OF WASTE GENERATED	WASTE HAS BOTH CHARACTERISTIC AND LISTED CODES	TONS OF WASTE GENERATED
ONLY IGNITABLE	1,710	ONLY AN F CODE	37,361		
ONLY CORROSIVE	7,628	ONLY A K CODE	9,679		
ONLY REACTIVE	98	ONLY A P CODE	1		
ONLY D004-17	344,111	ONLY A U CODE	3		
ONLY D018-43	263				
HAS MORE THAN ONE CHARACTERISTIC CODE	11,246	HAS MORE THAN ONE LISTED CODE	70		
TOTAL	365,057	TOTAL	47,114	BOTH CHARACTERISTIC & LISTED	15,167

5 QUANTITIES OF WASTE GENERATED IN 1997 THAT WERE MULTIPLY CODED

WASTE HAS ONLY CHARACTERISTIC CODES BUT MORE THAN ONE APPLIES	TONS OF WASTE GENERATED	ONLY LISTED CODES BUT HAS MORE THAN ONE	TONS OF WASTE GENERATED	BOTH CHAR, AND LISTED CODES	TONS OF WASTE GENERATED
HAS IGNITABLE CODE	3,342			IGN. W/ AT LEAST 1 LSTD	7,401
HAS CORROSIVE CODE	9,283			CORR. W/ AT LEAST 1 LSTD	154
HAS REACTIVE CODE	2,043			REACT. W/ AT LEAST 1 LSTD	111
HAS D004-D017 CODE	10,143			D004-17 W/ AT LEAST 1 LSTD	6,820
HAS D018-D043 CODE	1,495			D018-43 W/ AT LEAST 1 LSTD	6,423
		HAS AN F CODE	59	F WASTE W/ AT LEAST 1 CHAR	14,915
		HAS A K CODE	47	K WASTE W/ AT LEAST 1 CHAR	1
		HAS A P CODE	11	P WASTE W/ AT LEAST 1 CHAR	19
		HAS A U CODE	23	U WASTE W/ AT LEAST 1 CHAR	297
TOTAL	11,246	TOTAL	70	TOTAL	15,167

NOTE: COLUMNS DO NOT SUM TO TOTAL BECAUSE A WASTE CODE MAY APPLY TO MORE THAN ONE WASTE.
 MIXTURES WITH IGNITABLE, CORROSIVE, REACTIVE, D004-17, AND D018-43 CHARACTERISTIC CODES ALSO MAY
 CONTAIN OTHER CHARACTERISTIC WASTE CODES.
 SIMILARLY, WASTES WITH F,K,P, AND U LISTED CODES MAY HAVE OTHER LISTED WASTE CODES.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

MINNESOTA

1997 WASTE MANAGEMENT

6 NUMBER OF RCRA TSD FACILITIES: 24

7 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED: 141,292 TONS

8 FIFTY LARGEST RCRA HAZARDOUS WASTE MANAGEMENT FACILITIES, 1997

RANK	EPA ID	SITE NAME	CITY	TONS OF WASTE MANAGED
----	-----	-----	----	-----
1	MND006148092	GOPHER RESOURCE CORP	EAGAN	112,513
2	MND006172969	3M COTTAGE GROVE	COTTAGE GROVE	21,617
3	MND981098478	U. S. FILTER RECOVERY SERVICES INC.	ROSEVILLE	6,523
4	MN0000903468	RECYCLIGHTS, INC.	BLOOMINGTON	503
5	MND000826206	NSP CHESTNUT SERVICE CENTER	MINNEAPOLIS	66
6	MND083467688	MAYO FOUNDATION	ROCHESTER	53
7	MND006156590	FEDERAL-HOFFMAN INC	ANOKA	9
8	MN3170022914	UNITED DEFENSE LP/US NAVY	FRIDLEY	7
TOTAL				141,292

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY FACILITIES THAT MANAGED WASTE.
FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

MINNESOTA

1997 WASTE MANAGEMENT, CONTINUED

9 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY MANAGEMENT METHOD, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
METALS RECOVERY (FOR REUSE)	M011-M019	118,231	83.7	4	50.0
OTHER RECOVERY	M031-M039	861	.6	3	37.5
INCINERATION	M041-M049	21,626	15.3	3	37.5
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	53	.0	1	12.5
FUEL BLENDING	M061	13	.0	1	12.5
SLUDGE TREATMENT	M101-M109	507	.4	2	25.0
LANDFILL	M132	0	.0	1	12.5
TOTAL		141,292	100.0	8	

10 MANAGEMENT METHOD, BY QUANTITY OF RCRA HAZARDOUS WASTE MANAGED, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
METALS RECOVERY (FOR REUSE)	M011-M019	118,231	83.7	4	50.0
INCINERATION	M041-M049	21,626	15.3	3	37.5
OTHER RECOVERY	M031-M039	861	.6	3	37.5
SLUDGE TREATMENT	M101-M109	507	.4	2	25.0
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	53	.0	1	12.5
FUEL BLENDING	M061	13	.0	1	12.5
LANDFILL	M132	0	.0	1	12.5
TOTAL		141,292	100.0	8	

11 MANAGEMENT METHOD AND QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY NUMBER OF FACILITIES, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
METALS RECOVERY (FOR REUSE)	M011-M019	118,231	83.7	4	50.0
OTHER RECOVERY	M031-M039	861	.6	3	37.5
INCINERATION	M041-M049	21,626	15.3	3	37.5
SLUDGE TREATMENT	M101-M109	507	.4	2	25.0
FUEL BLENDING	M061	13	.0	1	12.5
LANDFILL	M132	0	.0	1	12.5
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	53	.0	1	12.5
TOTAL		141,292	100.0	8	

NOTE: FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.
COLUMNS MAY NOT SUM DUE TO ROUNDING.
COLUMNS MAY NOT SUM TO TOTAL BECAUSE FACILITIES MAY HAVE MULTIPLE HANDLING METHODS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

MINNESOTA

1997 WASTE SHIPMENTS

12 NUMBER OF RCRA HAZARDOUS WASTE SHIPPERS: 258

13 QUANTITY OF RCRA HAZARDOUS WASTE SHIPPED: 424,611 TONS

14 FIFTY LARGEST RCRA HAZARDOUS WASTE SHIPPERS, 1997

RANK	EPA ID	SITE NAME	CITY	QUANTITY SHIPPED (TONS)
----	-----	-----	----	-----
1	MND006148092	GOPHER RESOURCE CORP	EAGAN	340,701
2	MND981195167	B.J. CARNEY CO SUPERFUND SITE	MINNEAPOLIS	17,754
3	MNR000053678	CEDAR SERVICE SITE	MINNEAPOLIS	12,241
4	MND006172969	3M COTTAGE GROVE	COTTAGE GROVE	9,912
5	MND041775008	NORTH STAR STEEL	ST PAUL	9,203
6	MND981098478	U. S. FILTER RECOVERY SERVICES INC.	ROSEVILLE	4,242
7	MND006147268	SHELDAHL INC	NORTHFIELD	2,186
8	MND001037639	ADVANCE CIRCUITS, INC.	ROSEVILLE	2,090
9	MND006172902	3M TAPE MANUFACTURING DIVISION	HUTCHINSON	1,947
10	MND006456768	HUTCHINSON TECHNOLOGY INC	HUTCHINSON	1,559
11	MND981953045	SAFETY-KLEEN CORP	BLAINE	1,403
12	MND980700900	THE BUREAU, ELECTRONICS GROUP	MINNEAPOLIS	1,342
13	MN7213820908	US ARMY TWIN CITIES ARMY AMMO PLANT	ARDEN HILLS	1,197
14	MND000824029	3M MAIN PLANT	ST PAUL	1,012
15	MND006173082	3 M CENTER-MAINTENANCE RESEARCH	MAPLEWOOD	999
16	MND981097884	SAFETY-KLEEN CORP	EAGAN	861
17	MND042651687	ADVANCE CIRCUITS, INC.	MINNETONKA	855
18	MND006156590	FEDERAL-HOFFMAN INC	ANOKA	799
19	MND000686071	KOCH REFINING COMPANY- PINE BEND	ROSEMOUNT	793
20	MND006207773	FORD MOTOR COMPANY	ST. PAUL	735
21	MND006161756	IBM CORPORATION	ROCHESTER	637
22	MND985767482	ECO FINISHING INC	FRIDLEY	541
23	MND076522267	AG-CHEM EQUIPMENT	JACKSON	464
24	MND990860470	BUCKBEE MEARS ST PAUL	ST PAUL	423
25	MND980615736	VAN WATERS AND ROGERS	ST PAUL	397
26	MND006253801	SUPERIOR PLATING INC	MINNEAPOLIS	375
27	MND006219232	MICOM CORPORATION	NEW BRIGHTON	315
28	MND006963508	NORTHWEST AIRLINES, INC.	ST. PAUL	294
29	MND000686709	ASHLAND CHEMICAL COMPANY	SHAKOPEE	268
30	MND000808923	CONSOLIDATED CONTAINER CORP.	MINNEAPOLIS	234
31	MND079727061	AMERICAN NATIONAL CAN COMPANY	MINNEAPOLIS	228
32	MND006160014	PLATING INCORPORATED	ST PAUL	227
33	MND980501167	CRENLO INC PLANT #2	ROCHESTER	198
34	MND006209860	CRYSTAL CABINET WORKS INC	PRINCETON	187
35	MNT280010257	NICO PRODUCTS, INC.	MINNEAPOLIS	186
36	MN0000981415	UNIV. OF MINNESOTA - IWMF	MINNEAPOLIS	186
37	MND000293076	SEAGATE TECHNOLOGY INC.	BLOOMINGTON	175
38	MND006167332	ANDERSEN CORPORATION	BAYPORT	174
39	MND022888143	DETERMAN WELDING AND TANK SERVICE	FRIDLEY	167
40	MND982639775	TRC CIRCUITS INC.	CRYSTAL	156
41	MND118765791	CYPRESS SEMICONDUCTOR INC	BLOOMINGTON	150
42	MND050742014	CROWN & CORK & SEAL-FARIBAULT	FARIBAULT	149
43	MND006162820	MARATHON ASHLAND PETROLEUM, LLC	ST. PAUL PARK	142
44	MND078680790	3M STILLWATER BLDG 1	STILLWATER	124
45	MNT280010034	CIRCUIT SCIENCE	PLYMOUTH	123
46	MND079723979	3M ELECTRICAL PRODUCTS DIV. NE	NEW ULM	116
47	MND985713452	CENTURY CIRCUITS & ELECTRONICS	ST. PAUL	115
48	MND006147045	CYTEC FIBERITE INC	WINONA	113
49	MND980682918	CSD ACQUISITION CORP	NEW HOPE	109
50	MND980794705	DOUGLAS CORPORATION	EDEN PRAIRIE	108

TOTAL

418,914

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY SHIPPERS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

MINNESOTA

1997 WASTE RECEIPTS

15 NUMBER OF RCRA HAZARDOUS WASTE RECEIVERS: 12

16 QUANTITY OF RCRA HAZARDOUS WASTE RECEIVED: 156,239 TONS

17 FIFTY LARGEST RCRA HAZARDOUS WASTE RECEIVERS, 1997

RANK	EPA ID	SITE NAME	CITY	QUANTITY RECEIVED (TONS)
----	-----	-----	----	-----
1	MND006148092	GOPHER RESOURCE CORP	EAGAN	112,513
2	MND006172969	3M COTTAGE GROVE	COTTAGE GROVE	22,426
3	MND980615736	VAN WATERS AND ROGERS	ST PAUL	11,329
4	MND981098478	U. S. FILTER RECOVERY SERVICES INC.	ROSEVILLE	7,974
5	MND981953045	SAFETY-KLEEN CORP	BLAINE	1,156
6	MN0000903468	RECYCLIGHTS, INC.	BLOOMINGTON	304
7	MND000686709	ASHLAND CHEMICAL COMPANY	SHAKOPEE	272
8	MN0000981415	UNIV. OF MINNESOTA - IWMF	MINNEAPOLIS	184
9	MND000826206	NSP CHESTNUT SERVICE CENTER	MINNEAPOLIS	66
10	MND000773341	MINNESOTA AIR NATIONAL GUARD	DULUTH	8
11	MND000824052	MINNESOTA POWER TSD FACILITY	DULUTH	5
12	MND000819284	HONEYWELL, INC. HOME&BUILDING CONTROLS	GOLDEN VALLEY	2

TOTAL 156,239

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY FACILITIES THAT RECEIVED WASTE.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

MINNESOTA

1997 WASTE RECEIPTS, CONTINUED

18 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY MANAGEMENT METHOD,
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
METALS RECOVERY (FOR REUSE)	M011-M019	118,032	83.7	4	80.0
OTHER RECOVERY	M031-M039	860	.6	2	40.0
INCINERATION	M041-M049	21,617	15.3	2	40.0
FUEL BLENDING	M061	13	.0	1	20.0
SLUDGE TREATMENT	M101-M109	500	.4	1	20.0
LANDFILL	M132	0	.0	1	20.0
TOTAL		141,022	100.0	5	

19 MANAGEMENT METHOD, BY QUANTITY OF RCRA HAZARDOUS WASTE MANAGED
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
METALS RECOVERY (FOR REUSE)	M011-M019	118,032	83.7	4	80.0
INCINERATION	M041-M049	21,617	15.3	2	40.0
OTHER RECOVERY	M031-M039	860	.6	2	40.0
SLUDGE TREATMENT	M101-M109	500	.4	1	20.0
FUEL BLENDING	M061	13	.0	1	20.0
LANDFILL	M132	0	.0	1	20.0
TOTAL		141,022	100.0	5	

20 MANAGEMENT METHOD AND QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY NUMBER OF FACILITIES,
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
METALS RECOVERY (FOR REUSE)	M011-M019	118,032	83.7	4	80.0
OTHER RECOVERY	M031-M039	860	.6	2	40.0
INCINERATION	M041-M049	21,617	15.3	2	40.0
FUEL BLENDING	M061	13	.0	1	20.0
LANDFILL	M132	0	.0	1	20.0
SLUDGE TREATMENT	M101-M109	500	.4	1	20.0
TOTAL		141,022	100.0	5	

NOTE: FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.
COLUMNS MAY NOT SUM DUE TO ROUNDING.
COLUMNS MAY NOT SUM TO TOTAL BECAUSE FACILITIES MAY HAVE MULTIPLE HANDLING METHODS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

MINNESOTA

1997 IMPORTS AND EXPORTS

21	QUANTITY OF RCRA HAZARDOUS WASTE IMPORTED:	105,301 TONS
22	QUANTITY OF RCRA HAZARDOUS WASTE EXPORTED:	412,068 TONS

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

MISSISSIPPI

1997 WASTE GENERATION

1 NUMBER OF RCRA LARGE QUANTITY GENERATORS (LQGS): 193

2 QUANTITY OF RCRA HAZARDOUS WASTE GENERATED: 1,654,338 TONS

3 FIFTY LARGEST RCRA HAZARDOUS WASTE GENERATORS IN THE STATE, 1997

RANK	EPA ID	SITE NAME	CITY	TOTAL GENERATED (TONS)
1	MSD096046792	E.I. DUPONT DE NEMOURS & CO. DELISLE PLA	PASS CHRISTIAN	1,124,915
2	MSD008186587	MORTON INTERNATIONAL, INC	MOSS POINT	492,356
3	MSD054179403	CHEVRON PRODUCTS CO-PASCAGOULA REFINERY	PASCAGOULA	7,711
4	MSD033417031	FIRST CHEMICAL CORP.	PASCAGOULA	7,575
5	MSD008158685	BIRMINGHAM SOUTHEAST LLC	FLOWOOD	6,095
6	MSD985977891	MID-SOUTH LUMBER/FORT JAMES CORPORATION	MERIDIAN	1,997
7	MSD004001244	GENCORP	COLUMBUS	1,324
8	MSD000742668	GE PLASTICS	PEARLINGTON	908
9	MSD041165747	AKZO NOBEL COATINGS, INC.	CLINTON	712
10	MSD050648757	INGALLS SHIPBUILDING, INC. WEST BANK	PASCAGOULA	659
11	MSD985966514	CENTRAL GALVANIZING, INC.	KOSCIUSKO	626
12	MSD010406809	AUTOMATIC PROCESSING	MOSS POINT	569
13	MSD980601512	MORTON ELECTRONIC MATERIALS	MOSS POINT	561
14	MSD985980481	DOUBLECOTE LLC	JACKSON	444
15	MSD052512027	AZTEC INDUSTRIES, INC.	RICHLAND	425
16	MSD980799480	ICI ACRYLICS, INC., OLIVE BRANCH, MS	OLIVE BRANCH	415
17	MSD066106923	PLATTE CHEMICAL COMPANY	GREENVILLE	397
18	MS0000563858	POTTER REMEDIATION SITE	BROOKHAVEN	351
19	MS0000043307	PRECOAT METALS	JACKSON	348
20	MSD081341729	WORLD COLOR	CORINTH	277
21	MSD982110389	HUNTER DOUGLAS - TUPELO CENTER	SHANNON	224
22	MSD130452501	THOMAS & BETTS	SOUTHAVEN	210
23	MSD000287417	SHERWIN-WILLIAMS OLIVE BRANCH FACILITY	OLIVE BRANCH	208
24	MSD063947790	PIPER IMPACT INC.	NEW ALBANY	205
25	MSD007027543	KOPPERS INDUSTRIES, INC.	TIE PLANT	202
26	MSD057226961	CAVENHAM FOREST INDUSTRIES, INC.	GULFPORT	178
27	MSD982112872	PLYMOUTH TUBE COMPANY	EUPORA	164
28	MSD982114712	REMAN, INC.	POLKVILLE	150
29	MSD982106700	ZEON CHEMICALS INCORPORATED	HATTIESBURG	139
30	MSD097904932	ALUMAX EXTRUSIONS, INC.	HERNANDO	136
31	MSD985971654	MOOG BATESVILLE	BATESVILLE	118
32	MSD054531215	TRUE TEMPER SPORTS, INC.(EMHART)	AMORY	117
33	MSD077655876	HOLNAM, INC.	ARTESIA	108
34	MSD096076781	IPC CORINTH DIV. INC.	CORINTH	103
35	MS7570024060	COLUMBUS AIR FORCE BASE	COLUMBUS	101
36	MSD069530970	AMERICAN RAILCAR INDUSTRIES	BUDE	81
37	MSD006294771	CHROMCRAFT FURNITURE	SENATOBIA	81
38	MSD980601686	CATERPILLAR REMANUFACTURED PRODUCTS GP	CORINTH	78
39	MSD007039381	KRUEGER INTERNATIONAL	TUPELO	76
40	MS0000876888	LEADING EDGE AIRCRAFT PAINTING	GREENVILLE	76
41	MSD060838653	GNB TECHNOLOGIES	FLORENCE	75
42	MSD985979996	A & B CORES, INC.	RALEIGH	70
43	MSD021019914	AMERICAN WOOD	RIGHTON	67
44	MSD002088474	SUPER SAGLESS, INC.	TUPELO	66
45	MSD050239698	NATIONAL PICTURE & FRAME COMPANY	GREENWOOD	64
46	MSD073514267	ALLSTEEL, INC.	VERONA	63
47	MSD050985191	SANDERSON PLUMBING PRODUCTS, INC.	COLUMBUS	60
48	MSD980600084	INTERNATIONAL PAPER COMPANY	WIGGINS	59
49	MSD985967595	HEATCRAFT, INC.	GRENADE	56
50	MSD008194144	KENSON WOOD PERSERVING LLC	PICAYUNE	49

TOTAL

1,652,049

NOTE: STATE MAY HAVE FEWER THAN FIFTY GENERATORS.
GENERATORS WITH ZERO QUANTITY GENERATED ARE EXCLUDED.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

MISSISSIPPI

1997 WASTE GENERATION, CONTINUED

4 QUANTITIES OF WASTE GENERATED IN 1997 THAT WERE

- REPORTED WITH ONLY CHARACTERISTIC WASTE CODES
 - REPORTED WITH ONLY LISTED WASTE CODES
 - REPORTED WITH BOTH CHARACTERISTIC AND LISTED WASTE CODES

WASTE HAS ONLY CHARACTERISTIC CODES	TONS OF WASTE GENERATED	WASTE HAS ONLY LISTED CODES	TONS OF WASTE GENERATED	WASTE HAS BOTH CHARACTERISTIC AND LISTED CODES	TONS OF WASTE GENERATED
ONLY IGNITABLE	1,250	ONLY AN F CODE	3,974		
ONLY CORROSIVE	431	ONLY A K CODE	9,641		
ONLY REACTIVE	1	ONLY A P CODE	11		
ONLY D004-17	1,429	ONLY A U CODE	38		
ONLY D018-43	493				
HAS MORE THAN ONE CHARACTERISTIC CODE	1,127,662	HAS MORE THAN ONE LISTED CODE	7		
TOTAL	1,131,265	TOTAL	13,671	BOTH CHARACTERISTIC & LISTED	509,402

5 QUANTITIES OF WASTE GENERATED IN 1997 THAT WERE MULTIPLY CODED

WASTE HAS ONLY CHARACTERISTIC CODES BUT MORE THAN ONE APPLIES	TONS OF WASTE GENERATED	ONLY LISTED CODES BUT HAS MORE THAN ONE	TONS OF WASTE GENERATED	BOTH CHAR, AND LISTED CODES	TONS OF WASTE GENERATED
HAS IGNITABLE CODE	746			IGN. W/ AT LEAST 1 LSTD	11,975
HAS CORROSIVE CODE	1,127,000			CORR. W/ AT LEAST 1 LSTD	67
HAS REACTIVE CODE	77			REACT. W/ AT LEAST 1 LSTD	492,266
HAS D004-D017 CODE	1,127,258			D004-17 W/ AT LEAST 1 LSTD	1,862
HAS D018-D043 CODE	484			D018-43 W/ AT LEAST 1 LSTD	503,389
		HAS AN F CODE	0	F WASTE W/ AT LEAST 1 CHAR	501,105
		HAS A K CODE	2	K WASTE W/ AT LEAST 1 CHAR	10,639
		HAS A P CODE	5	P WASTE W/ AT LEAST 1 CHAR	192
		HAS A U CODE	7	U WASTE W/ AT LEAST 1 CHAR	3,244
TOTAL	1,127,662	TOTAL	7	TOTAL	509,402

NOTE: COLUMNS DO NOT SUM TO TOTAL BECAUSE A WASTE CODE MAY APPLY TO MORE THAN ONE WASTE.
 MIXTURES WITH IGNITABLE, CORROSIVE, REACTIVE, D004-17, AND D018-43 CHARACTERISTIC CODES ALSO MAY
 CONTAIN OTHER CHARACTERISTIC WASTE CODES.
 SIMILARLY, WASTES WITH F,K,P, AND U LISTED CODES MAY HAVE OTHER LISTED WASTE CODES.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

MISSISSIPPI

1997 WASTE MANAGEMENT

6 NUMBER OF RCRA TSD FACILITIES: 16

7 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED: 1,720,718 TONS

8 FIFTY LARGEST RCRA HAZARDOUS WASTE MANAGEMENT FACILITIES, 1997

RANK	EPA ID	SITE NAME	CITY	TONS OF WASTE MANAGED
----	-----	-----	----	-----
1	MSD096046792	E.I. DUPONT DE NEMOURS & CO. DELISLE PLA	PASS CHRISTIAN	1,180,595
2	MSD008186587	MORTON INTERNATIONAL, INC	MOSS POINT	492,270
3	MSD077655876	HOLNAM, INC.	ARTESIA	34,327
4	MSD054179403	CHEVRON PRODUCTS CO-PASCAGOULA REFINERY	PASCAGOULA	7,060
5	MSD033417031	FIRST CHEMICAL CORP.	PASCAGOULA	6,435
6	MSD096076781	IPC CORINTH DIV. INC.	CORINTH	32
TOTAL				1,720,718

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY FACILITIES THAT MANAGED WASTE.
FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

MISSISSIPPI

1997 WASTE MANAGEMENT, CONTINUED

9 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY MANAGEMENT METHOD, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
SOLVENTS RECOVERY	M021-M029	62	.0	2	33.3
OTHER RECOVERY	M031-M039	7,060	.4	1	16.7
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	40,761	2.4	2	33.3
LANDFILL	M132	2,971	.2	1	16.7
DEEPWELL / UNDERGROUND INJECTION	M134	1,669,863	97.0	2	33.3
TOTAL		1,720,718	100.0	6	

10 MANAGEMENT METHOD, BY QUANTITY OF RCRA HAZARDOUS WASTE MANAGED, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
DEEPWELL / UNDERGROUND INJECTION	M134	1,669,863	97.0	2	33.3
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	40,761	2.4	2	33.3
OTHER RECOVERY	M031-M039	7,060	.4	1	16.7
LANDFILL	M132	2,971	.2	1	16.7
SOLVENTS RECOVERY	M021-M029	62	.0	2	33.3
TOTAL		1,720,718	100.0	6	

11 MANAGEMENT METHOD AND QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY NUMBER OF FACILITIES, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
DEEPWELL / UNDERGROUND INJECTION	M134	1,669,863	97.0	2	33.3
SOLVENTS RECOVERY	M021-M029	62	.0	2	33.3
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	40,761	2.4	2	33.3
LANDFILL	M132	2,971	.2	1	16.7
OTHER RECOVERY	M031-M039	7,060	.4	1	16.7
TOTAL		1,720,718	100.0	6	

NOTE: FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.
COLUMNS MAY NOT SUM DUE TO ROUNDING.
COLUMNS MAY NOT SUM TO TOTAL BECAUSE FACILITIES MAY HAVE MULTIPLE HANDLING METHODS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

MISSISSIPPI

1997 WASTE SHIPMENTS

12 NUMBER OF RCRA HAZARDOUS WASTE SHIPPERS: 188

13 QUANTITY OF RCRA HAZARDOUS WASTE SHIPPED: 21,473 TONS

14 FIFTY LARGEST RCRA HAZARDOUS WASTE SHIPPERS, 1997

RANK	EPA ID	SITE NAME	CITY	QUANTITY SHIPPED (TONS)
----	-----	-----	----	-----
1	MSD008158685	BIRMINGHAM SOUTHEAST LLC	FLOWOOD	6,095
2	MSD985977891	MID-SOUTH LUMBER/FORT JAMES CORPORATION	MERIDIAN	1,150
3	MSD033417031	FIRST CHEMICAL CORP.	PASCAGOULA	1,140
4	MSD000742668	GE PLASTICS	PEARLINGTON	908
5	MSD041165747	AKZO NOBEL COATINGS, INC.	CLINTON	661
6	MSD050648757	INGALLS SHIPBUILDING, INC. WEST BANK	PASCAGOULA	659
7	MSD054179403	CHEVRON PRODUCTS CO-PASCAGOULA REFINERY	PASCAGOULA	628
8	MSD985966514	CENTRAL GALVANIZING, INC.	KOSCIUSKO	626
9	MSD980601512	MORTON ELECTRONIC MATERIALS	MOSS POINT	564
10	MSD985980481	DOUBLECOTE LLC	JACKSON	444
11	MSD010406809	AUTOMATIC PROCESSING	MOSS POINT	430
12	MSD052512027	AZTEC INDUSTRIES, INC.	RICHLAND	425
13	MSD980799480	ICI ACRYLICS, INC., OLIVE BRANCH, MS	OLIVE BRANCH	415
14	MSD066106923	PLATTE CHEMICAL COMPANY	GREENVILLE	397
15	MS0000563858	POTTER REMEDIATION SITE	BROOKHAVEN	351
16	MS0000043307	PRECOAT METALS	JACKSON	336
17	MSD982106700	ZEON CHEMICALS INCORPORATED	HATTIESBURG	278
18	MSD081341729	WORLD COLOR	CORINTH	277
19	MSD982110389	HUNTER DOUGLAS - TUPELO CENTER	SHANNON	224
20	MSD130452501	THOMAS & BETTS	SOUTHAVEN	215
21	MSD000287417	SHERWIN-WILLIAMS OLIVE BRANCH FACILITY	OLIVE BRANCH	208
22	MSD063947790	PIPER IMPACT INC.	NEW ALBANY	205
23	MSD007027543	KOPPERS INDUSTRIES, INC.	TIE PLANT	202
24	MSD004001244	GENCORP	COLUMBUS	181
25	MSD057226961	CAVENHAM FOREST INDUSTRIES, INC.	GULFPORT	178
26	MSD982112872	PLYMOUTH TUBE COMPANY	EUPORA	164
27	MSD982114712	REMAN, INC.	POLKVILLE	150
28	MSD097904932	ALUMAX EXTRUSIONS, INC.	HERNANDO	133
29	MSD985971654	MOOG BATESVILLE	BATESVILLE	118
30	MSD054531215	TRUE TEMPER SPORTS, INC.(EMHART)	AMORY	117
31	MSD077655876	HOLNAM, INC.	ARTESIA	108
32	MS7570024060	COLUMBUS AIR FORCE BASE	COLUMBUS	101
33	MSD069530970	AMERICAN RAILCAR INDUSTRIES	BUDE	83
34	MSD980601686	CATERPILLAR REMANUFACTURED PRODUCTS GP	CORINTH	78
35	MSD008186587	MORTON INTERNATIONAL, INC	MOSS POINT	77
36	MSD007039381	KRUEGER INTERNATIONAL	TUPELO	76
37	MS0000876888	LEADING EDGE AIRCRAFT PAINTING	GREENVILLE	76
38	MSD060838653	GNB TECHNOLOGIES	FLORENCE	75
39	MSD096076781	IPC CORINTH DIV. INC.	CORINTH	71
40	MSD985979996	A & B CORES, INC.	RALEIGH	70
41	MSD006294771	CHROMCRAFT FURNITURE	SENATOBIA	67
42	MSD021019914	AMERICAN WOOD	RICHTON	67
43	MSD002088474	SUPER SAGLESS, INC.	TUPELO	66
44	MSD073514267	ALLSTEEL, INC.	VERONA	63
45	MSD980600084	INTERNATIONAL PAPER COMPANY	WIGGINS	59
46	MSD985967595	HEATCRAFT, INC.	GRENADA	56
47	MSD050985191	SANDERSON PLUMBING PRODUCTS, INC.	COLUMBUS	51
48	MSD008194144	KENSON WOOD PERSERVING LLC	PICAYUNE	49
49	MSD991277310	PLANTATION PIPE LINE COMPANY-CN	COLLINS	48
50	MST000001953	US RUBBER RECLAIMING	VICKSBURG	48

TOTAL

19,268

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY SHIPPERS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

MISSISSIPPI

1997 WASTE RECEIPTS

15 NUMBER OF RCRA HAZARDOUS WASTE RECEIVERS: **3**

16 QUANTITY OF RCRA HAZARDOUS WASTE RECEIVED: **34,889 TONS**

17 FIFTY LARGEST RCRA HAZARDOUS WASTE RECEIVERS, 1997

RANK	EPA ID	SITE NAME	CITY	QUANTITY RECEIVED (TONS)
----	-----	-----	----	-----
1	MSD077655876	HOLNAM, INC.	ARTESIA	34,327
2	MSD000776765	SAFETY-KLEEN CORP.	JACKSON	342
3	MSD981030984	SAFETY-KLEEN CORP.	SOUTHAVEN	221

TOTAL				34,889
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NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY FACILITIES THAT RECEIVED WASTE.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

MISSISSIPPI

1997 WASTE RECEIPTS, CONTINUED

18 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY MANAGEMENT METHOD,
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997

MANAGEMENT METHOD -----	SYSTEM TYPE CODE -----	QUANTITY MANAGED (TONS) -----	PERCENTAGE OF QUANTITY -----	NUMBER OF FACILITIES -----	PERCENTAGE OF FACILITIES -----
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	34,327	100.0	1	100.0
TOTAL		34,327	100.0	1	

19 MANAGEMENT METHOD, BY QUANTITY OF RCRA HAZARDOUS WASTE MANAGED
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997

MANAGEMENT METHOD -----	SYSTEM TYPE CODE -----	QUANTITY MANAGED (TONS) -----	PERCENTAGE OF QUANTITY -----	NUMBER OF FACILITIES -----	PERCENTAGE OF FACILITIES -----
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	34,327	100.0	1	100.0
TOTAL		34,327	100.0	1	

20 MANAGEMENT METHOD AND QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY NUMBER OF FACILITIES,
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997

MANAGEMENT METHOD -----	SYSTEM TYPE CODE -----	QUANTITY MANAGED (TONS) -----	PERCENTAGE OF QUANTITY -----	NUMBER OF FACILITIES -----	PERCENTAGE OF FACILITIES -----
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	34,327	100.0	1	100.0
TOTAL		34,327	100.0	1	

NOTE: FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.
COLUMNS MAY NOT SUM DUE TO ROUNDING.
COLUMNS MAY NOT SUM TO TOTAL BECAUSE FACILITIES MAY HAVE MULTIPLE HANDLING METHODS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

MISSISSIPPI

1997 IMPORTS AND EXPORTS

21	QUANTITY OF RCRA HAZARDOUS WASTE IMPORTED:	34,469 TONS
22	QUANTITY OF RCRA HAZARDOUS WASTE EXPORTED:	15,213 TONS

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

MISSOURI

1997 WASTE GENERATION

1 NUMBER OF RCRA LARGE QUANTITY GENERATORS (LQGS): 363

2 QUANTITY OF RCRA HAZARDOUS WASTE GENERATED: 116,705 TONS

3 FIFTY LARGEST RCRA HAZARDOUS WASTE GENERATORS IN THE STATE, 1997

RANK	EPA ID	SITE NAME	CITY	TOTAL GENERATED (TONS)
----	-----	-----	----	-----
1	MOD0000031823	GS TECHNOLOGIES OPERATING CO INC	KANSAS CITY	14,117
2	MOD985791995	TEVA PHARMACEUTICALS USA	MEXICO	12,143
3	MOD000610766	SOLVENT RECOVERY CORP	KANSAS CITY	8,952
4	MOD030712822	EXIDE CORP SCHUYLKILL METALS DIV	FOREST CITY	8,892
5	MOD096726484	MALLINCKRODT CHEMICAL INC	ST LOUIS	5,758
6	MOD093750966	NORANDA ALUMINUM INC	NEW MADRID	5,660
7	MOD057894321	3M CO	NEVADA	5,323
8	MOD056389828	BAYER CORP	KANSAS CITY	4,247
9	MOD980968739	WILCOX ELECTRIC INC	NORTH KANSAS CITY	3,133
10	MOD007118078	FORD MOTOR CO	CLAYCOMO	2,933
11	MOR000012880	SOLA OPTICAL USA INC COBURN DUMP SITE	ELDON	2,846
12	MOD043937895	3M CO	SPRINGFIELD	2,174
13	MOD007140874	TALBOT INDUSTRIES INC	NEOSHO	1,710
14	MOD985810498	B F I WASTE SYSTEMS OF NORTH AMERICA INC	PARKVILLE	1,583
15	MOD086787371	COOK COMPOSITES AND POLYMERS CO	NORTH KANSAS CITY	1,442
16	MOD007146517	BEAZER EAST INC	KANSAS CITY	1,398
17	MOD980962773	SIGMA CHEMICAL CO	ST LOUIS	1,333
18	MOD006313993	BORDEN DECORATIVE PRODUCTS	ST LOUIS	1,304
19	MOD085002319	CHRYSLER CORP	FENTON	1,277
20	MOD007173453	MIDWEST RESEARCH INSTITUTE	KANSAS CITY	1,128
21	MOT300010261	G M WENTZVILLE CENTER	WENTZVILLE	1,004
22	MOD046737524	NORTH AMERICAN GALVANIZING CO - KC	KANSAS CITY	963
23	MOD006273726	SIGMA CHEMICAL CO	ST LOUIS	942
24	MOD000624452	B F I WASTE SYSTEMS OF NORTH AMERICA INC	MISSOURI CITY	906
25	MOD006272876	FORD MOTOR CO	HAZELWOOD	846
26	MOD006287619	PRINTPACK INC	HAZELWOOD	769
27	MOD006274732	P D GEORGE CO	ST LOUIS	659
28	MO9890010524	U S DEPT OF ENERGY - KANSAS CITY PLANT	KANSAS CITY	657
29	MO8571924549	509 CES/CEV	WHITEMAN AFB	652
30	MOD980632954	E R D - MO INC	SCOTT CITY	603
31	MOD981505555	HERITAGE ENVIRONMENTAL SVCS	KANSAS CITY	570
32	MOD000818963	MCDONNELL DOUGLAS CORP TRACT 1	HAZELWOOD	559
33	MOR000000190	AARONS AUTOMOTIVE PRODUCTS	SPRINGFIELD	544
34	MOD052612850	PLASTENE SUPPLY CO	PORTAGEVILLE	514
35	MOD095479978	U S PAINT CORP	ST LOUIS	483
36	MO4213820489	DEPT OF ARMY (LCAAP)	INDEPENDENCE	469
37	MOD029729688	HOLNAM INC/SAFETY KLEEN INC	CLARKSVILLE	468
38	MOD000829705	FRONT STREET REMEDIAL ACTION CORP	KANSAS CITY	447
39	MOD054950670	3M CO	COLUMBIA	412
40	MOD000690198	REICHOLD CHEMICALS INC	VALLEY PARK	404
41	MOD050232560	RIVER CEMENT CO	FESTUS	386
42	MOD043935048	TRANS WORLD AIRLINES INC	KANSAS CITY	344
43	MOD006308407	A B CHANCE CO ALLEN ST COMPLEX	CENTRALIA	340
44	MOD007452154	SYNTEX AGRIBUSINESS INC	VERONA	340
45	MOD006284335	NORTH AMERICAN GALVENIZING CO	ST LOUIS	303
46	MOD050226075	AMERICAN CYANAMID CO	PALMYRA	298
47	MOD077887909	I C I EXPLOSIVES USA INC	JOPLIN	281
48	MOD007118029	ARMCO INC	KANSAS CITY	275
49	MOP000006213	ALL AMERICAN LIFE DIELMAN OLIVETTE MO	OLIVETTE	270
50	MOD985798164	ICI EXPLOSIVES ENVIRONMENTAL	JOPLIN	253

TOTAL

103,315

NOTE: STATE MAY HAVE FEWER THAN FIFTY GENERATORS.
GENERATORS WITH ZERO QUANTITY GENERATED ARE EXCLUDED.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

MISSOURI

1997 WASTE GENERATION, CONTINUED

4 QUANTITIES OF WASTE GENERATED IN 1997 THAT WERE

- REPORTED WITH ONLY CHARACTERISTIC WASTE CODES
- REPORTED WITH ONLY LISTED WASTE CODES
- REPORTED WITH BOTH CHARACTERISTIC AND LISTED WASTE CODES

WASTE HAS ONLY CHARACTERISTIC CODES	TONS OF WASTE GENERATED	WASTE HAS ONLY LISTED CODES	TONS OF WASTE GENERATED	WASTE HAS BOTH CHARACTERISTIC AND LISTED CODES	TONS OF WASTE GENERATED
ONLY IGNITABLE	4,375	ONLY AN F CODE	17,924		
ONLY CORROSIVE	4,362	ONLY A K CODE	7,731		
ONLY REACTIVE	98	ONLY A P CODE	72		
ONLY D004-17	14,322	ONLY A U CODE	229		
ONLY D018-43	1,143				
HAS MORE THAN ONE CHARACTERISTIC CODE	6,380	HAS MORE THAN ONE LISTED CODE	181		
TOTAL	30,679	TOTAL	26,136	BOTH CHARACTERISTIC & LISTED	58,703

5 QUANTITIES OF WASTE GENERATED IN 1997 THAT WERE MULTIPLY CODED

WASTE HAS ONLY CHARACTERISTIC CODES BUT MORE THAN ONE APPLIES	TONS OF WASTE GENERATED	ONLY LISTED CODES BUT HAS MORE THAN ONE	TONS OF WASTE GENERATED	BOTH CHAR, AND LISTED CODES	TONS OF WASTE GENERATED
HAS IGNITABLE CODE	4,371			IGN. W/ AT LEAST 1 LSTD	41,452
HAS CORROSIVE CODE	2,946			CORR. W/ AT LEAST 1 LSTD	2,039
HAS REACTIVE CODE	205			REACT. W/ AT LEAST 1 LSTD	3,335
HAS D004-D017 CODE	2,935			D004-17 W/ AT LEAST 1 LSTD	24,141
HAS D018-D043 CODE	2,863			D018-43 W/ AT LEAST 1 LSTD	18,733
		HAS AN F CODE	148	F WASTE W/ AT LEAST 1 CHAR	42,045
		HAS A K CODE	0	K WASTE W/ AT LEAST 1 CHAR	18,618
		HAS A P CODE	178	P WASTE W/ AT LEAST 1 CHAR	1,345
		HAS A U CODE	36	U WASTE W/ AT LEAST 1 CHAR	4,244
TOTAL	6,380	TOTAL	181	TOTAL	58,703

NOTE: COLUMNS DO NOT SUM TO TOTAL BECAUSE A WASTE CODE MAY APPLY TO MORE THAN ONE WASTE.
 MIXTURES WITH IGNITABLE, CORROSIVE, REACTIVE, D004-17, AND D018-43 CHARACTERISTIC CODES ALSO MAY
 CONTAIN OTHER CHARACTERISTIC WASTE CODES.
 SIMILARLY, WASTES WITH F,K,P, AND U LISTED CODES MAY HAVE OTHER LISTED WASTE CODES.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

MISSOURI

1997 WASTE MANAGEMENT

6 NUMBER OF RCRA TSD FACILITIES: 83

7 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED: 238,179 TONS

8 FIFTY LARGEST RCRA HAZARDOUS WASTE MANAGEMENT FACILITIES, 1997

RANK	EPA ID	SITE NAME	CITY	TONS OF WASTE MANAGED
----	-----	-----	----	-----
1	MOD029729688	HOLNAM INC/SAFETY KLEEN INC	CLARKSVILLE	79,171
2	MOD054018288	CONTINENTAL CEMENT CO	HANNIBAL	75,948
3	MOD981127319	LONE STAR INDUSTRIES INC	CAPE GIRARDEAU	39,870
4	MOD050232560	RIVER CEMENT CO	FESTUS	13,696
5	MOD030712822	EXIDE CORP SCHUYLKILL METALS DIV	FOREST CITY	12,746
6	MOD056389828	BAYER CORP	KANSAS CITY	3,943
7	MOD057894321	3M CO	NEVADA	3,047
8	MOD981505555	HERITAGE ENVIRONMENTAL SVCS	KANSAS CITY	2,879
9	MOD029719200	DYNO NOBEL INC	CARTHAGE	1,695
10	MOD059200089	DOE RUN CO - BUICK SMELTER	BOSS	1,334
11	MOD980632954	E R D - MO INC	SCOTT CITY	1,127
12	MOD985798164	ICI EXPLOSIVES ENVIRONMENTAL	JOPLIN	1,060
13	MOD981123391	HAZ-MAT RESPONSE DISPOSAL INC	KANSAS CITY	635
14	MOD006287619	PRINTPACK INC	HAZELWOOD	488
15	MOD043935048	TRANS WORLD AIRLINES INC	KANSAS CITY	143
16	MOD985793058	M & W PACKAGING US INC	JACKSON	73
17	MO4213820489	DEPT OF ARMY (LCAAP)	INDEPENDENCE	72
18	MOD006269195	MARQUETTE TOOL & DIE CO	ST LOUIS	53
19	MOD050226075	AMERICAN CYANAMID CO	PALMYRA	48
20	MOD981712425	L H B INDUSTRIES	BERKELEY	30
21	MOD006491435	G W COMPOSITES INC	O FALLON	24
22	MOD066858192	PACKAGING CONCEPTS INC	ST LOUIS	24
23	MO3213720979	US ARMY ENGINEER CENTER & FLW	FORT LEONARD WOOD	20
24	MOD006278790	MID STATES PAINT & CHEMICAL CO	ST LOUIS	18
25	MOD985799725	TRINITY CARUTHERSVILLE	CARUTHERSVILLE	14
26	MOR000012724	COMBUSTION ENGINEERING INC	HEMATITE	10
27	MOD057758922	LOXCREEN CO INC THE	HAYTI	7
28	MOD985799303	BAZAN PT CO	ST LOUIS	3
29	MOD029796331	AGCO MFG GROUP	INDEPENDENCE	1
30	MOD981123854	LIBBY INTERNATIONAL INC	KANSAS CITY	1
TOTAL				238,179

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY FACILITIES THAT MANAGED WASTE.
FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

MISSOURI

1997 WASTE MANAGEMENT, CONTINUED

9 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY MANAGEMENT METHOD, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
METALS RECOVERY (FOR REUSE)	M011-M019	1,592	.7	4	13.3
SOLVENTS RECOVERY	M021-M029	3,899	1.6	15	50.0
OTHER RECOVERY	M031-M039	1,656	.7	2	6.7
INCINERATION	M041-M049	5,231	2.2	6	20.0
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	208,685	87.6	4	13.3
FUEL BLENDING	M061	4,469	1.9	3	10.0
STABILIZATION	M111-M119	6,387	2.7	4	13.3
LANDFILL	M132	6,259	2.6	2	6.7
OTHER DISPOSAL SPECIFIED IN COMMENTS	M137	2	.0	1	3.3
TOTAL		238,179	100.0	30	

10 MANAGEMENT METHOD, BY QUANTITY OF RCRA HAZARDOUS WASTE MANAGED, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	208,685	87.6	4	13.3
STABILIZATION	M111-M119	6,387	2.7	4	13.3
LANDFILL	M132	6,259	2.6	2	6.7
INCINERATION	M041-M049	5,231	2.2	6	20.0
FUEL BLENDING	M061	4,469	1.9	3	10.0
SOLVENTS RECOVERY	M021-M029	3,899	1.6	15	50.0
OTHER RECOVERY	M031-M039	1,656	.7	2	6.7
METALS RECOVERY (FOR REUSE)	M011-M019	1,592	.7	4	13.3
OTHER DISPOSAL SPECIFIED IN COMMENTS	M137	2	.0	1	3.3
TOTAL		238,179	100.0	30	

11 MANAGEMENT METHOD AND QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY NUMBER OF FACILITIES, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
SOLVENTS RECOVERY	M021-M029	3,899	1.6	15	50.0
INCINERATION	M041-M049	5,231	2.2	6	20.0
METALS RECOVERY (FOR REUSE)	M011-M019	1,592	.7	4	13.3
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	208,685	87.6	4	13.3
STABILIZATION	M111-M119	6,387	2.7	4	13.3
FUEL BLENDING	M061	4,469	1.9	3	10.0
LANDFILL	M132	6,259	2.6	2	6.7
OTHER RECOVERY	M031-M039	1,656	.7	2	6.7
OTHER DISPOSAL SPECIFIED IN COMMENTS	M137	2	.0	1	3.3
TOTAL		238,179	100.0	30	

NOTE: FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.
COLUMNS MAY NOT SUM DUE TO ROUNDING.
COLUMNS MAY NOT SUM TO TOTAL BECAUSE FACILITIES MAY HAVE MULTIPLE HANDLING METHODS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

MISSOURI

1997 WASTE SHIPMENTS

12 NUMBER OF RCRA HAZARDOUS WASTE SHIPPERS: 355

13 QUANTITY OF RCRA HAZARDOUS WASTE SHIPPED: 112,592 TONS

14 FIFTY LARGEST RCRA HAZARDOUS WASTE SHIPPERS, 1997

RANK	EPA ID	SITE NAME	CITY	QUANTITY SHIPPED (TONS)
----	-----	-----	----	-----
1	MOD000031823	GS TECHNOLOGIES OPERATING CO INC	KANSAS CITY	14,117
2	MOD000610766	SOLVENT RECOVERY CORP	KANSAS CITY	8,716
3	MOD985791995	TEVA PHARMACEUTICALS USA	MEXICO	8,280
4	MOD096726484	MALLINCKRODT CHEMICAL INC	ST LOUIS	5,738
5	MOD093750966	NORANDA ALUMINUM INC	NEW MADRID	5,660
6	MOD981505555	HERITAGE ENVIRONMENTAL SVCS	KANSAS CITY	5,298
7	MOD029729688	HOLNAM INC/SAFETY KLEEN INC	CLARKSVILLE	4,504
8	MOD980968739	WILCOX ELECTRIC INC	NORTH KANSAS CITY	3,133
9	MOD007118078	FORD MOTOR CO	CLAYCOMO	2,933
10	MOD985794619	NORTHWEST MISSOURI STATE UNIVERSITY	MARYVILLE	2,918
11	MOR000012880	SOLA OPTICAL USA INC COBURN DUMP SITE	ELDON	2,846
12	MOD030712822	EXIDE CORP SCHUYLKILL METALS DIV	FOREST CITY	2,638
13	MOD057894321	3M CO	NEVADA	2,275
14	MOD043937895	3M CO	SPRINGFIELD	2,174
15	MOD985810498	B F I WASTE SYSTEMS OF NORTH AMERICA INC	PARKVILLE	1,583
16	MOD980962849	ESSEX WASTE MANAGEMENT SVCS	KINGSVILLE	1,501
17	MOD086787371	COOK COMPOSITES AND POLYMERS CO	NORTH KANSAS CITY	1,442
18	MOD007146517	BEAZER EAST INC	KANSAS CITY	1,398
19	MOD980962773	SIGMA CHEMICAL CO	ST LOUIS	1,333
20	MOD006313993	BORDEN DECORATIVE PRODUCTS	ST LOUIS	1,304
21	MOD007173453	MIDWEST RESEARCH INSTITUTE	KANSAS CITY	1,128
22	MOD085002319	CHRYSLER CORP	FENTON	1,047
23	MOD980973564	SAFETY KLEEN CORP	INDEPENDENCE	1,038
24	MOT300010261	G M WENTZVILLE CENTER	WENTZVILLE	1,004
25	MOD006273726	SIGMA CHEMICAL CO	ST LOUIS	942
26	MOD000624452	B F I WASTE SYSTEMS OF NORTH AMERICA INC	MISSOURI CITY	906
27	MOD980632954	E R D - MO INC	SCOTT CITY	879
28	MOD006272876	FORD MOTOR CO	HAZELWOOD	846
29	MOD095486312	SAFETY KLEEN CORP	ST CHARLES	716
30	MOD000669051	SAFETY KLEEN CORP 503001	CAPE GIRARDEAU	683
31	MOD980971626	SAFETY KLEEN CORP	COLUMBIA	677
32	MO9890010524	U S DEPT OF ENERGY - KANSAS CITY PLANT	KANSAS CITY	664
33	MO8571924549	509 CES/CEV	WHITEMAN AFB	652
34	MOD000669069	SAFETY KLEEN CORP	SPRINGFIELD	615
35	MOT300011160	KIESEL CO THE/KIESEL MARINE	ST LOUIS	571
36	MOD006274732	P D GEORGE CO	ST LOUIS	569
37	MOD000818963	MCDONNELL DOUGLAS CORP TRACT 1	HAZELWOOD	559
38	MOD000829705	FRONT STREET REMEDIAL ACTION CORP	KANSAS CITY	447
39	MOD054950670	3M CO	COLUMBIA	428
40	MO4213820489	DEPT OF ARMY (LCAAP)	INDEPENDENCE	418
41	MOD000690198	REICHOLD CHEMICALS INC	VALLEY PARK	404
42	MOD050232560	RIVER CEMENT CO	FESTUS	386
43	MOD006308407	A B CHANCE CO ALLEN ST COMPLEX	CENTRALIA	342
44	MOD007452154	SYNTEX AGRIBUSINESS INC	VERONA	340
45	MOD056389828	BAYER CORP	KANSAS CITY	325
46	MOD052612850	PLASTENE SUPPLY CO	PORTAGEVILLE	311
47	MOD006284335	NORTH AMERICAN GALVENIZING CO	ST LOUIS	303
48	MOR000000190	AARONS AUTOMOTIVE PRODUCTS	SPRINGFIELD	300
49	MOD006287619	PRINTPACK INC	HAZELWOOD	282
50	MOD077887909	I C I EXPLOSIVES USA INC	JOPLIN	281

TOTAL

97,854

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY SHIPPERS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

MISSOURI

1997 WASTE RECEIPTS

15 NUMBER OF RCRA HAZARDOUS WASTE RECEIVERS: 20

16 QUANTITY OF RCRA HAZARDOUS WASTE RECEIVED: 223,939 TONS

17 FIFTY LARGEST RCRA HAZARDOUS WASTE RECEIVERS, 1997

RANK	EPA ID	SITE NAME	CITY	QUANTITY RECEIVED (TONS)
----	-----	-----	----	-----
1	MOD029729688	HOLNAM INC/SAFETY KLEEN INC	CLARKSVILLE	79,171
2	MOD054018288	CONTINENTAL CEMENT CO	HANNIBAL	75,918
3	MOD981127319	LONE STAR INDUSTRIES INC	CAPE GIRARDEAU	39,862
4	MOD050232560	RIVER CEMENT CO	FESTUS	13,696
5	MOD981505555	HERITAGE ENVIRONMENTAL SVCS	KANSAS CITY	4,279
6	MOD980962849	ESSEX WASTE MANAGEMENT SVCS	KINGSVILLE	2,265
7	MOD029719200	DYNO NOBEL INC	CARTHAGE	1,656
8	MOD059200089	DOE RUN CO - BUICK SMELTER	BOSS	1,309
9	MOD985798164	ICI EXPLOSIVES ENVIRONMENTAL	JOPLIN	1,060
10	MOD980632954	E R D - MO INC	SCOTT CITY	973
11	MOD980973564	SAFETY KLEEN CORP	INDEPENDENCE	919
12	MOD095486312	SAFETY KLEEN CORP	ST CHARLES	600
13	MOD980971626	SAFETY KLEEN CORP	COLUMBIA	533
14	MOD000669069	SAFETY KLEEN CORP	SPRINGFIELD	480
15	MOD000669051	SAFETY KLEEN CORP 503001	CAPE GIRARDEAU	421
16	MOD981123391	HAZ-MAT RESPONSE DISPOSAL INC	KANSAS CITY	394
17	MOD030712822	EXIDE CORP SCHUYLKILL METALS DIV	FOREST CITY	237
18	MOD000818963	MCDONNELL DOUGLAS CORP TRACT 1	HAZELWOOD	144
19	MOD056389828	BAYER CORP	KANSAS CITY	20
20	MOD006326904	RESOURCE RECOVERY CENTER - UMC	COLUMBIA	2

TOTAL

223,939

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY FACILITIES THAT RECEIVED WASTE.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

MISSOURI

1997 WASTE RECEIPTS, CONTINUED

18 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY MANAGEMENT METHOD,
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
METALS RECOVERY (FOR REUSE)	M011-M019	1,548	.7	3	25.0
SOLVENTS RECOVERY	M021-M029	49	.0	1	8.3
OTHER RECOVERY	M031-M039	1,656	.8	2	16.7
INCINERATION	M041-M049	1,149	.5	3	25.0
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	208,647	96.2	4	33.3
FUEL BLENDING	M061	3,711	1.7	3	25.0
STABILIZATION	M111-M119	47	.0	1	8.3
LANDFILL	M132	4	.0	1	8.3
OTHER DISPOSAL SPECIFIED IN COMMENTS	M137	2	.0	1	8.3
TOTAL		216,812	100.0	12	

19 MANAGEMENT METHOD, BY QUANTITY OF RCRA HAZARDOUS WASTE MANAGED
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	208,647	96.2	4	33.3
FUEL BLENDING	M061	3,711	1.7	3	25.0
OTHER RECOVERY	M031-M039	1,656	.8	2	16.7
METALS RECOVERY (FOR REUSE)	M011-M019	1,548	.7	3	25.0
INCINERATION	M041-M049	1,149	.5	3	25.0
SOLVENTS RECOVERY	M021-M029	49	.0	1	8.3
STABILIZATION	M111-M119	47	.0	1	8.3
LANDFILL	M132	4	.0	1	8.3
OTHER DISPOSAL SPECIFIED IN COMMENTS	M137	2	.0	1	8.3
TOTAL		216,812	100.0	12	

20 MANAGEMENT METHOD AND QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY NUMBER OF FACILITIES,
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	208,647	96.2	4	33.3
FUEL BLENDING	M061	3,711	1.7	3	25.0
METALS RECOVERY (FOR REUSE)	M011-M019	1,548	.7	3	25.0
INCINERATION	M041-M049	1,149	.5	3	25.0
OTHER RECOVERY	M031-M039	1,656	.8	2	16.7
LANDFILL	M132	4	.0	1	8.3
OTHER DISPOSAL SPECIFIED IN COMMENTS	M137	2	.0	1	8.3
SOLVENTS RECOVERY	M021-M029	49	.0	1	8.3
STABILIZATION	M111-M119	47	.0	1	8.3
TOTAL		216,812	100.0	12	

NOTE: FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.
COLUMNS MAY NOT SUM DUE TO ROUNDING.
COLUMNS MAY NOT SUM TO TOTAL BECAUSE FACILITIES MAY HAVE MULTIPLE HANDLING METHODS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

MISSOURI

1997 IMPORTS AND EXPORTS

21	QUANTITY OF RCRA HAZARDOUS WASTE IMPORTED:	195,274 TONS
22	QUANTITY OF RCRA HAZARDOUS WASTE EXPORTED:	81,793 TONS

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

MONTANA

1997 WASTE GENERATION

1 NUMBER OF RCRA LARGE QUANTITY GENERATORS (LQGS): 47

2 QUANTITY OF RCRA HAZARDOUS WASTE GENERATED: 12,266 TONS

3 FIFTY LARGEST RCRA HAZARDOUS WASTE GENERATORS IN THE STATE, 1997

RANK	EPA ID	SITE NAME	CITY	TOTAL GENERATED (TONS)
----	-----	-----	----	-----
1	MTD057561763	COLUMBIA FALLS ALUMINUM CO	COLUMBIA FALLS	4,559
2	MTD006230346	ASARCO INC EAST HELENA	EAST HELENA	1,836
3	MTD006229405	CONOCO REFINERY BILLINGS	BILLINGS	1,633
4	MTD079711198	TRANSBAS INC	BILLINGS	1,099
5	MTD006238083	CENEX INC LAUREL REFINERY	LAUREL	835
6	MTD986073583	MONTANA POLE WATER TREATMENT PLANT	BUTTE	784
7	MTD010380574	EXXON BILLINGS REFINERY	BILLINGS	538
8	MTD065560393	MONTANA RADIATOR WORKS	BILLINGS	464
9	MTR000004754	ADVANCED SILICON MATERIALS INC	BUTTE	162
10	MTD982648099	SEMITOOL INC RESERVE DR	KALISPELL	64
11	MTD035237940	RIBI IMMUNOCHEM RESEARCH INC	HAMILTON	52
12	MTD000475194	MONTANA REFINING CO	GREAT FALLS	45
13	MTD982648255	LIVINGSTON REBUILD CENTER INC	LIVINGSTON	40
14	MTR000004762	JOHN DOYLE PROPERTY	MISSOULA	19
15	MTD065569048	MSU BOZEMAN	BOZEMAN	15
16	MT8571924556	MALMSTROM AIR FORCE BASE MAFB	MALMSTROM AFB	10
17	MTR000004895	KOCH HYDROCARBON EAGLEPRITCHARD	SIDNEY	8
18	MTD986073765	MT DOT BUTTE	BUTTE	7
19	MTD063728984	BIG SKY COAL CO	COLSTRIP	7
20	MTD093301836	WESTERN ENERGY CO ROSEBUD MINE	COLSTRIP	6
21	MTR000003087	GM PETROLEUMS HEIGHTS CONOCO FACILITY	BILLINGS	6
22	MTR000004291	MSE ENVIRONMENTAL INC MILES CITY	MILES CITY	6
23	MT0000562959	MT DOT KALISPELL HUTTON PIT	KALISPELL	6
24	MTR000004317	MSE ENVIRONMENTAL INC SIDNEY	SIDNEY	5
25	MTR000002170	ALL PURPOSE SERVICES	MISSOULA	5
26	MTD071401368	A & S TRIBAL INDUSTRIES INC	POPLAR	5
27	MTD982582306	MT DOT MISSOULA	MISSOULA	5
28	MTD980807176	LOUISIANA PACIFIC CORP MISSOULA	MISSOULA	5
29	MT0000992982	ALLWASTE CONTAINER SERVICES EDGEWOOD	MILES CITY	4
30	MTD000710236	MONTANA POWER CO COLSTRIP UNITS 1 & 2	COLSTRIP	4
31	MTR000004309	MSE ENVIRONMENTAL INC WOLF POINT	WOLF POINT	4
32	MTD980667166	TRINITY RAIL SERVICES INC #342	MILES CITY	3
33	MTR000000349	USDA FS LAKE KOOCANUSA BRIDGE	LIBBY	3
34	MTR000005082	WASHINGTON MIDDLE SCHOOL	MILES CITY	3
35	MTD986069649	MT DOT GREAT FALLS 18TH AVE NE	GREAT FALLS	3
36	MTR000003749	BUILDING SPECIALTIES	BILLINGS	2
37	MTD006232276	IDAHO POLE CO	BOZEMAN	2
38	MTD010379709	U OF M MISSOULA	MISSOULA	2
39	MTR000004622	CONOCO WYOLA MI POST 65	WYOLA	2
40	MTD986069847	MT DOT MILES CITY	MILES CITY	2
41	MTD980330609	MONTANA POWER CO COLSTRIP UNITS 3 & 4	COLSTRIP	2
42	MTD986069508	GRANITE TIMBER INC	PHILIPSBURG	2
43	MT2890090036	MSE TECHNOLOGY APPLICATION INC	BUTTE	1
44	MTR000003806	CAIRD ENGINEERING	HELENA	1
45	MTD119730208	MONTANA TECH	BUTTE	0
46	MTR000003798	DAWSON COUNTY HIGH SCHOOL	GLENDIVE	0

TOTAL

12,266

NOTE: STATE MAY HAVE FEWER THAN FIFTY GENERATORS.
GENERATORS WITH ZERO QUANTITY GENERATED ARE EXCLUDED.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

MONTANA

1997 WASTE GENERATION, CONTINUED

4 QUANTITIES OF WASTE GENERATED IN 1997 THAT WERE

- REPORTED WITH ONLY CHARACTERISTIC WASTE CODES
- REPORTED WITH ONLY LISTED WASTE CODES
- REPORTED WITH BOTH CHARACTERISTIC AND LISTED WASTE CODES

WASTE HAS ONLY CHARACTERISTIC CODES	TONS OF WASTE GENERATED	WASTE HAS ONLY LISTED CODES	TONS OF WASTE GENERATED	WASTE HAS BOTH CHARACTERISTIC AND LISTED CODES	TONS OF WASTE GENERATED
ONLY IGNITABLE	9	ONLY AN F CODE	975		
ONLY CORROSIVE	5	ONLY A K CODE	5,133		
ONLY REACTIVE	12	ONLY A P CODE	0		
ONLY D004-17	2,402	ONLY A U CODE	1		
ONLY D018-43	19				
HAS MORE THAN ONE CHARACTERISTIC CODE	163	HAS MORE THAN ONE LISTED CODE	1,852		
TOTAL	2,610	TOTAL	7,961	BOTH CHARACTERISTIC & LISTED	1,695

5 QUANTITIES OF WASTE GENERATED IN 1997 THAT WERE MULTIPLY CODED

WASTE HAS ONLY CHARACTERISTIC CODES BUT MORE THAN ONE APPLIES	TONS OF WASTE GENERATED	ONLY LISTED CODES BUT HAS MORE THAN ONE	TONS OF WASTE GENERATED	BOTH CHAR, AND LISTED CODES	TONS OF WASTE GENERATED
HAS IGNITABLE CODE	40			IGN. W/ AT LEAST 1 LSTD	572
HAS CORROSIVE CODE	23			CORR. W/ AT LEAST 1 LSTD	6
HAS REACTIVE CODE	0			REACT. W/ AT LEAST 1 LSTD	0
HAS D004-D017 CODE	131			D004-17 W/ AT LEAST 1 LSTD	1,110
HAS D018-D043 CODE	142			D018-43 W/ AT LEAST 1 LSTD	400
		HAS AN F CODE	1,852	F WASTE W/ AT LEAST 1 CHAR	560
		HAS A K CODE	1,852	K WASTE W/ AT LEAST 1 CHAR	43
		HAS A P CODE	0	P WASTE W/ AT LEAST 1 CHAR	15
		HAS A U CODE	0	U WASTE W/ AT LEAST 1 CHAR	1,092
TOTAL	163	TOTAL	1,852	TOTAL	1,695

NOTE: COLUMNS DO NOT SUM TO TOTAL BECAUSE A WASTE CODE MAY APPLY TO MORE THAN ONE WASTE.
 MIXTURES WITH IGNITABLE, CORROSIVE, REACTIVE, D004-17, AND D018-43 CHARACTERISTIC CODES ALSO MAY
 CONTAIN OTHER CHARACTERISTIC WASTE CODES.
 SIMILARLY, WASTES WITH F,K,P, AND U LISTED CODES MAY HAVE OTHER LISTED WASTE CODES.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

MONTANA

1997 WASTE MANAGEMENT

6 NUMBER OF RCRA TSD FACILITIES: 8

7 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED: 987 TONS

8 FIFTY LARGEST RCRA HAZARDOUS WASTE MANAGEMENT FACILITIES, 1997

RANK	EPA ID	SITE NAME	CITY	TONS OF WASTE MANAGED
----	-----	-----	----	-----
1	MTD010380574	EXXON BILLINGS REFINERY	BILLINGS	523
2	MTD065560393	MONTANA RADIATOR WORKS	BILLINGS	464
TOTAL				987

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
 STATE MAY HAVE FEWER THAN FIFTY FACILITIES THAT MANAGED WASTE.
 FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

MONTANA

1997 WASTE MANAGEMENT, CONTINUED

9 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY MANAGEMENT METHOD, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
STABILIZATION	M111-M119	464	47.0	1	50.0
LAND TREATMENT / APPLICATION / FARMING	M131	523	53.0	1	50.0
TOTAL		987	100.0	2	

10 MANAGEMENT METHOD, BY QUANTITY OF RCRA HAZARDOUS WASTE MANAGED, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
LAND TREATMENT / APPLICATION / FARMING	M131	523	53.0	1	50.0
STABILIZATION	M111-M119	464	47.0	1	50.0
TOTAL		987	100.0	2	

11 MANAGEMENT METHOD AND QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY NUMBER OF FACILITIES, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
LAND TREATMENT / APPLICATION / FARMING	M131	523	53.0	1	50.0
STABILIZATION	M111-M119	464	47.0	1	50.0
TOTAL		987	100.0	2	

NOTE: FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.
COLUMNS MAY NOT SUM DUE TO ROUNDING.
COLUMNS MAY NOT SUM TO TOTAL BECAUSE FACILITIES MAY HAVE MULTIPLE HANDLING METHODS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

MONTANA

1997 WASTE SHIPMENTS

12 NUMBER OF RCRA HAZARDOUS WASTE SHIPPERS: 46

13 QUANTITY OF RCRA HAZARDOUS WASTE SHIPPED: 8,924 TONS

14 FIFTY LARGEST RCRA HAZARDOUS WASTE SHIPPERS, 1997

RANK	EPA ID	SITE NAME	CITY	QUANTITY SHIPPED (TONS)
----	-----	-----	----	-----
1	MTD057561763	COLUMBIA FALLS ALUMINUM CO	COLUMBIA FALLS	3,585
2	MTD006230346	ASARCO INC EAST HELENA	EAST HELENA	1,836
3	MTD079711198	TRANSBAS INC	BILLINGS	1,099
4	MTD006238083	CENEX INC LAUREL REFINERY	LAUREL	835
5	MTD986073583	MONTANA POLE WATER TREATMENT PLANT	BUTTE	784
6	MTD006229405	CONOCO REFINERY BILLINGS	BILLINGS	272
7	MTR000004754	ADVANCED SILICON MATERIALS INC	BUTTE	162
8	MTD982648099	SEMITOOL INC RESERVE DR	KALISPELL	64
9	MTD035237940	RIBI IMMUNOCHEM RESEARCH INC	HAMILTON	53
10	MTD982648255	LIVINGSTON REBUILD CENTER INC	LIVINGSTON	40
11	MTD010380574	EXXON BILLINGS REFINERY	BILLINGS	28
12	MTR000004762	JOHN DOYLE PROPERTY	MISSOULA	19
13	MTD065569048	MSU BOZEMAN	BOZEMAN	15
14	MTD000475194	MONTANA REFINING CO	GREAT FALLS	14
15	MT8571924556	MALMSTROM AIR FORCE BASE MAFB	MALMSTROM AFB	8
16	MTR000004895	KOCH HYDROCARBON EAGLEPRITCHARD	SIDNEY	8
17	MTD986073765	MT DOT BUTTE	BUTTE	7
18	MTD063728984	BIG SKY COAL CO	COLSTRIP	7
19	MTR000003087	GM PETROLEUMS HEIGHTS CONOCO FACILITY	BILLINGS	6
20	MTR000004291	MSE ENVIRONMENTAL INC MILES CITY	MILES CITY	6
21	MT0000562959	MT DOT KALISPELL HUTTON PIT	KALISPELL	6
22	MT0000992982	ALLWASTE CONTAINER SERVICES EDGEWOOD	MILES CITY	6
23	MTR000004317	MSE ENVIRONMENTAL INC SIDNEY	SIDNEY	5
24	MTR000002170	ALL PURPOSE SERVICES	MISSOULA	5
25	MTD071401368	A & S TRIBAL INDUSTRIES INC	POPLAR	5
26	MTD982582306	MT DOT MISSOULA	MISSOULA	5
27	MTD980807176	LOUISIANA PACIFIC CORP MISSOULA	MISSOULA	5
28	MTD986069508	GRANITE TIMBER INC	PHILIPSBURG	4
29	MTD000710236	MONTANA POWER CO COLSTRIP UNITS 1 & 2	COLSTRIP	4
30	MTR000004309	MSE ENVIRONMENTAL INC WOLF POINT	WOLF POINT	4
31	MTD980667166	TRINITY RAIL SERVICES INC #342	MILES CITY	3
32	MTR000000349	USDA FS LAKE KOOCANUSA BRIDGE	LIBBY	3
33	MTR000005082	WASHINGTON MIDDLE SCHOOL	MILES CITY	3
34	MTD986069649	MT DOT GREAT FALLS 18TH AVE NE	GREAT FALLS	3
35	MTR000003749	BUILDING SPECIALTIES	BILLINGS	2
36	MTD006232276	IDAHO POLE CO	BOZEMAN	2
37	MTD010379709	U OF M MISSOULA	MISSOULA	2
38	MTR000004622	CONOCO WYOLA MI POST 65	WYOLA	2
39	MTD986069847	MT DOT MILES CITY	MILES CITY	2
40	MTD980330609	MONTANA POWER CO COLSTRIP UNITS 3 & 4	COLSTRIP	2
41	MT2890090036	MSE TECHNOLOGY APPLICATION INC	BUTTE	1
42	MTD093301836	WESTERN ENERGY CO ROSEBUD MINE	COLSTRIP	1
43	MTR000003806	CAIRD ENGINEERING	HELENA	1
44	MTR000001115	BOZEMAN SOLVENT SITE	BOZEMAN	1
45	MTR000003798	DAWSON COUNTY HIGH SCHOOL	GLENDIVE	0
46	MTD119730208	MONTANA TECH	BUTTE	0

TOTAL

8,924

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY SHIPPERS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

MONTANA

1997 WASTE RECEIPTS

TABLES 15, 16, 17, 18, 19 AND 20 HAVE BEEN OMITTED FROM THIS REPORT BECAUSE THERE WERE NO FACILITIES IN MONTANA THAT REPORTED RECEIVING RCRA HAZARDOUS WASTE IN 1997.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

MONTANA

1997 IMPORTS AND EXPORTS

21 QUANTITY OF RCRA HAZARDOUS WASTE IMPORTED: 0 TONS

22 QUANTITY OF RCRA HAZARDOUS WASTE EXPORTED: 8,924 TONS

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

NAVAJO NATION

1997 WASTE GENERATION

1 NUMBER OF RCRA LARGE QUANTITY GENERATORS (LQGS): 6

2 QUANTITY OF RCRA HAZARDOUS WASTE GENERATED: 150 TONS

3 FIFTY LARGEST RCRA HAZARDOUS WASTE GENERATORS IN THE STATE, 1997

RANK	EPA ID	SITE NAME	CITY	TOTAL GENERATED (TONS)
----	-----	-----	----	-----
1	NND104150024	PEABODY WESTERN COAL CO	KAYENTA	139
2	NN0000473454	WINGATE HIGH SCHOOL	FT WINGATE	5
3	NNR000000356	USBIA BRANCH OF ROADS MAINT SECTION	TUBA CITY	2
4	NN2140909100	USBIA BRANCH OF ROADS - CHEU	FARMINGTON	2
5	NNP601252809	NAVAJO NATION FACILITIES MAINTENANCE	TUBA CITY	1
6	NNP000034025	USDOJ USBIA CHINLE BOARDING SCHOOL	MANY FARMS	0
TOTAL				150

NOTE: STATE MAY HAVE FEWER THAN FIFTY GENERATORS.
GENERATORS WITH ZERO QUANTITY GENERATED ARE EXCLUDED.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NAVAJO NATION

1997 WASTE GENERATION, CONTINUED

4 QUANTITIES OF WASTE GENERATED IN 1997 THAT WERE

- REPORTED WITH ONLY CHARACTERISTIC WASTE CODES
 - REPORTED WITH ONLY LISTED WASTE CODES
 - REPORTED WITH BOTH CHARACTERISTIC AND LISTED WASTE CODES

WASTE HAS ONLY CHARACTERISTIC CODES	TONS OF WASTE GENERATED	WASTE HAS ONLY LISTED CODES	TONS OF WASTE GENERATED	WASTE HAS BOTH CHARACTERISTIC AND LISTED CODES	TONS OF WASTE GENERATED
ONLY IGNITABLE	0	ONLY AN F CODE	0		
ONLY CORROSIVE	5	ONLY A K CODE	0		
ONLY REACTIVE	0	ONLY A P CODE	0		
ONLY D004-17	0	ONLY A U CODE	0		
ONLY D018-43	15				
HAS MORE THAN ONE CHARACTERISTIC CODE	76	HAS MORE THAN ONE LISTED CODE	0		
TOTAL	95	TOTAL	0	BOTH CHARACTERISTIC & LISTED	54

5 QUANTITIES OF WASTE GENERATED IN 1997 THAT WERE MULTIPLY CODED

WASTE HAS ONLY CHARACTERISTIC CODES BUT MORE THAN ONE APPLIES	TONS OF WASTE GENERATED	ONLY LISTED CODES BUT HAS MORE THAN ONE	TONS OF WASTE GENERATED	BOTH CHAR, AND LISTED CODES	TONS OF WASTE GENERATED
HAS IGNITABLE CODE	1			IGN. W/ AT LEAST 1 LSTD	3
HAS CORROSIVE CODE	0			CORR. W/ AT LEAST 1 LSTD	0
HAS REACTIVE CODE	0			REACT. W/ AT LEAST 1 LSTD	0
HAS D004-D017 CODE	76			D004-17 W/ AT LEAST 1 LSTD	1
HAS D018-D043 CODE	75			D018-43 W/ AT LEAST 1 LSTD	51
		HAS AN F CODE	0	F WASTE W/ AT LEAST 1 CHAR	53
		HAS A K CODE	0	K WASTE W/ AT LEAST 1 CHAR	0
		HAS A P CODE	0	P WASTE W/ AT LEAST 1 CHAR	0
		HAS A U CODE	0	U WASTE W/ AT LEAST 1 CHAR	1
TOTAL	76	TOTAL	0	TOTAL	54

NOTE: COLUMNS DO NOT SUM TO TOTAL BECAUSE A WASTE CODE MAY APPLY TO MORE THAN ONE WASTE.
 MIXTURES WITH IGNITABLE, CORROSIVE, REACTIVE, D004-17, AND D018-43 CHARACTERISTIC CODES ALSO MAY
 CONTAIN OTHER CHARACTERISTIC WASTE CODES.
 SIMILARLY, WASTES WITH F,K,P, AND U LISTED CODES MAY HAVE OTHER LISTED WASTE CODES.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NAVAJO NATION

1997 WASTE MANAGEMENT

TABLES 6, 7, 8, 9, 10 AND 11 HAVE BEEN OMITTED FROM THIS REPORT BECAUSE THERE WERE NO FACILITIES IN THE NAVAJO NATION THAT REPORTED MANAGING RCRA HAZARDOUS WASTE IN 1997.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NAVAJO NATION

1997 WASTE SHIPMENTS

12 NUMBER OF RCRA HAZARDOUS WASTE SHIPPERS: 6

13 QUANTITY OF RCRA HAZARDOUS WASTE SHIPPED: 160 TONS

14 FIFTY LARGEST RCRA HAZARDOUS WASTE SHIPPERS, 1997

RANK	EPA ID	SITE NAME	CITY	QUANTITY SHIPPED (TONS)
----	-----	-----	----	-----
1	NND104150024	PEABODY WESTERN COAL CO	KAYENTA	150
2	NN0000473454	WINGATE HIGH SCHOOL	FT WINGATE	5
3	NNR000000356	USBIA BRANCH OF ROADS MAINT SECTION	TUBA CITY	2
4	NN2140909100	USBIA BRANCH OF ROADS - CHEU	FARMINGTON	2
5	NNP601252809	NAVAJO NATION FACILITIES MAINTENANCE	TUBA CITY	1
6	NNP000034025	USDOJ USBIA CHINLE BOARDING SCHOOL	MANY FARMS	0
TOTAL				160

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY SHIPPERS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NAVAJO NATION

1997 WASTE RECEIPTS

TABLES 15, 16, 17, 18, 19 AND 20 HAVE BEEN OMITTED FROM THIS REPORT BECAUSE THERE WERE NO FACILITIES IN THE NAVAJO NATION THAT REPORTED RECEIVING RCRA HAZARDOUS WASTE IN 1997.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NAVAJO NATION

1997 IMPORTS AND EXPORTS

21	QUANTITY OF RCRA HAZARDOUS WASTE IMPORTED:	0 TONS
22	QUANTITY OF RCRA HAZARDOUS WASTE EXPORTED:	160 TONS

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

NEBRASKA

1997 WASTE GENERATION

1 NUMBER OF RCRA LARGE QUANTITY GENERATORS (LQGS): 68

2 QUANTITY OF RCRA HAZARDOUS WASTE GENERATED: 23,491 TONS

3 FIFTY LARGEST RCRA HAZARDOUS WASTE GENERATORS IN THE STATE, 1997

RANK	EPA ID	SITE NAME	CITY	TOTAL GENERATED (TONS)
1	NED087069050	NUCOR STEEL DIV	NORFOLK	9,109
2	NED000610550	AMERICAN MICROTRACE CORP	FAIRBURY	4,895
3	NED981723513	CLEAN HARBORS ENVIRONMENTAL SVC INC	KIMBALL	4,180
4	NED007259054	LUCENT TECHNOLOGIES INC	OMAHA	1,824
5	NED000610691	LOZIER CORP NORTH PLANT	OMAHA	330
6	NED980971733	DUNCAN AVIATION	LINCOLN	320
7	NED000610709	LOZIER CORP WEST PLANT	OMAHA	285
8	NED007263619	TENNECO AUTOMOTIVE MONROE	COZAD	236
9	NED007281728	LINCOLN PLATING CO	LINCOLN	219
10	NED007265077	AMERICAN METER CO	NEBRASKA CITY	199
11	NED007285257	MAGNUS/FARLEY INC	FREMONT	193
12	NED068652981	KAWASAKI MOTORS MFG	LINCOLN	184
13	NED007266331	GOODYEAR TIRE & RUBBER CO	LINCOLN	114
14	NED986387520	HUNT CLEANERS INC	COZAD	96
15	NED986387850	FLEXCON COLUMBUS	COLUMBUS	78
16	NE0000362525	PFIZER CUSTOMER RETURN CENTER	LINCOLN	72
17	NED007272701	DEETER FOUNDRY INC	LINCOLN	67
18	NED007267214	VALMONT INDUSTRIES INC	VALLEY	65
19	NED065133167	EATON CORP	KEARNEY	54
20	NED080219868	HYDRAULIC COMPONENTS IND	HARTINGTON	51
21	NED072902513	SQUARE D CO	LINCOLN	48
22	NED007274699	PFIZER ANIMAL HEALTH	LINCOLN	48
23	NED007262579	AMERICAN TOOL CO INC - DEWITT OPERATIONS	DE WITT	46
24	NED981117153	INTEGRATED RAIL PRODUCTS	OMAHA	46
25	NED091998567	DANA CORP PERFECT CIRCLE SEALED POWER DI	HASTINGS	45
26	NED007258213	MALNOVE INC	OMAHA	44
27	NED043534635	TECHNICAL PRODUCTS GROUP INC MAIN PLANT	LINCOLN	44
28	NE8571924648	OFFUTT AIR FORCE BASE	OFFUTT AFB	43
29	NED007268790	BEHLEN MANUFACTURING CO	COLUMBUS	37
30	NED007286198	VICKERS INC	OMAHA	37
31	NED000819078	PLATTE CHEMICAL CO WEST PLANT	FREMONT	35
32	NED065106270	NATIONAL CRANE CORP	WAVERLY	32
33	NED091995159	FOUR SEASONS PAINT MFG CO	LINCOLN	28
34	NEP000000490	ROBERT D BOOKER USARTC	OMAHA	27
35	NED007263197	BECTON DICKINSON	COLUMBUS	25
36	NED986375327	VAN WATERS & ROGERS INC UNIVAR	OMAHA	23
37	NED000822817	DALE ELECTRONICS - PLANT #2	COLUMBUS	21
38	NE0000004598	BAYER CORP	OMAHA	20
39	NED007259518	STORE KRAFT MFG CO	BEATRICE	20
40	NET320010077	THERMO KING CORP	HASTINGS	19
41	NED000766808	UNIVERSITY OF NE CITY CAMPUS	LINCOLN	18
42	NED980973580	SUNDSTRAND AEROSPACE	YORK	18
43	NED047047543	BECTON DICKINSON CO	HOLDREGE	18
44	NED000819060	PLATTE CHEMICAL CO EAST PLANT	FREMONT	17
45	NED035036201	NEW HOLLAND N AMERICA INC	GRAND ISLAND	16
46	NED005070065	NOVARTIS CONSUMER HEALTH INC	LINCOLN	14
47	NED047038187	LEON PLASTICS INC	ALDA	12
48	NED000766816	UNIVERSITY OF NE EAST CAMPUS	LINCOLN	12
49	NED000809475	UNIVERSITY OF NEBRASKA MEDICAL CENTER	OMAHA	11
50	NER000001453	PROGRESS RAIL SERVICES CORP	SIDNEY	11

TOTAL

23,406

NOTE: STATE MAY HAVE FEWER THAN FIFTY GENERATORS.
GENERATORS WITH ZERO QUANTITY GENERATED ARE EXCLUDED.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NEBRASKA

1997 WASTE GENERATION, CONTINUED

4 QUANTITIES OF WASTE GENERATED IN 1997 THAT WERE

- REPORTED WITH ONLY CHARACTERISTIC WASTE CODES
- REPORTED WITH ONLY LISTED WASTE CODES
- REPORTED WITH BOTH CHARACTERISTIC AND LISTED WASTE CODES

WASTE HAS ONLY CHARACTERISTIC CODES	TONS OF WASTE GENERATED	WASTE HAS ONLY LISTED CODES	TONS OF WASTE GENERATED	WASTE HAS BOTH CHARACTERISTIC AND LISTED CODES	TONS OF WASTE GENERATED
ONLY IGNITABLE	90	ONLY AN F CODE	1,011		
ONLY CORROSIVE	73	ONLY A K CODE	9,109		
ONLY REACTIVE	0	ONLY A P CODE	19		
ONLY D004-17	6,976	ONLY A U CODE	56		
ONLY D018-43	8				
HAS MORE THAN ONE CHARACTERISTIC CODE	174	HAS MORE THAN ONE LISTED CODE	0		
TOTAL	7,323	TOTAL	10,196	BOTH CHARACTERISTIC & LISTED	5,967

5 QUANTITIES OF WASTE GENERATED IN 1997 THAT WERE MULTIPLY CODED

WASTE HAS ONLY CHARACTERISTIC CODES BUT MORE THAN ONE APPLIES	TONS OF WASTE GENERATED	ONLY LISTED CODES BUT HAS MORE THAN ONE	TONS OF WASTE GENERATED	BOTH CHAR, AND LISTED CODES	TONS OF WASTE GENERATED
HAS IGNITABLE CODE	62			IGN. W/ AT LEAST 1 LSTD	2,814
HAS CORROSIVE CODE	93			CORR. W/ AT LEAST 1 LSTD	1,457
HAS REACTIVE CODE	0			REACT. W/ AT LEAST 1 LSTD	1,455
HAS D004-D017 CODE	154			D004-17 W/ AT LEAST 1 LSTD	4,673
HAS D018-D043 CODE	76			D018-43 W/ AT LEAST 1 LSTD	3,300
		HAS AN F CODE	0	F WASTE W/ AT LEAST 1 CHAR	5,935
		HAS A K CODE	0	K WASTE W/ AT LEAST 1 CHAR	2,768
		HAS A P CODE	0	P WASTE W/ AT LEAST 1 CHAR	2,769
		HAS A U CODE	0	U WASTE W/ AT LEAST 1 CHAR	2,824
TOTAL	174	TOTAL	0	TOTAL	5,967

NOTE: COLUMNS DO NOT SUM TO TOTAL BECAUSE A WASTE CODE MAY APPLY TO MORE THAN ONE WASTE.
 MIXTURES WITH IGNITABLE, CORROSIVE, REACTIVE, D004-17, AND D018-43 CHARACTERISTIC CODES ALSO MAY
 CONTAIN OTHER CHARACTERISTIC WASTE CODES.
 SIMILARLY, WASTES WITH F,K,P, AND U LISTED CODES MAY HAVE OTHER LISTED WASTE CODES.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

NEBRASKA

1997 WASTE MANAGEMENT

6 NUMBER OF RCRA TSD FACILITIES: 11

7 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED: 41,231 TONS

8 FIFTY LARGEST RCRA HAZARDOUS WASTE MANAGEMENT FACILITIES, 1997

RANK	EPA ID	SITE NAME	CITY	TONS OF WASTE MANAGED
----	-----	-----	----	-----
1	NED981723513	CLEAN HARBORS ENVIRONMENTAL SVC INC	KIMBALL	40,866
2	NED000610550	AMERICAN MICROTRACE CORP	FAIRBURY	316
3	NED043534635	TECHNICAL PRODUCTS GROUP INC MAIN PLANT	LINCOLN	34
4	NED007263197	BECTON DICKINSON	COLUMBUS	15
TOTAL				41,231

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY FACILITIES THAT MANAGED WASTE.
FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NEBRASKA

1997 WASTE MANAGEMENT, CONTINUED

9 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY MANAGEMENT METHOD, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
METALS RECOVERY (FOR REUSE)	M011-M019	316	.8	1	25.0
SOLVENTS RECOVERY	M021-M029	48	.1	2	50.0
INCINERATION	M041-M049	39,454	95.7	1	25.0
STABILIZATION	M111-M119	1,412	3.4	1	25.0
TOTAL		41,231	100.0	4	

10 MANAGEMENT METHOD, BY QUANTITY OF RCRA HAZARDOUS WASTE MANAGED, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
INCINERATION	M041-M049	39,454	95.7	1	25.0
STABILIZATION	M111-M119	1,412	3.4	1	25.0
METALS RECOVERY (FOR REUSE)	M011-M019	316	.8	1	25.0
SOLVENTS RECOVERY	M021-M029	48	.1	2	50.0
TOTAL		41,231	100.0	4	

11 MANAGEMENT METHOD AND QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY NUMBER OF FACILITIES, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
SOLVENTS RECOVERY	M021-M029	48	.1	2	50.0
METALS RECOVERY (FOR REUSE)	M011-M019	316	.8	1	25.0
INCINERATION	M041-M049	39,454	95.7	1	25.0
STABILIZATION	M111-M119	1,412	3.4	1	25.0
TOTAL		41,231	100.0	4	

NOTE: FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.
COLUMNS MAY NOT SUM DUE TO ROUNDING.
COLUMNS MAY NOT SUM TO TOTAL BECAUSE FACILITIES MAY HAVE MULTIPLE HANDLING METHODS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

NEBRASKA

1997 WASTE SHIPMENTS

12 NUMBER OF RCRA HAZARDOUS WASTE SHIPPERS: 68

13 QUANTITY OF RCRA HAZARDOUS WASTE SHIPPED: 15,525 TONS

14 FIFTY LARGEST RCRA HAZARDOUS WASTE SHIPPERS, 1997

RANK	EPA ID	SITE NAME	CITY	QUANTITY SHIPPED (TONS)
----	-----	-----	----	-----
1	NED000610550	AMERICAN MICROTRACE CORP	FAIRBURY	4,895
2	NED007259054	LUCENT TECHNOLOGIES INC	OMAHA	1,824
3	NED087069050	NUCOR STEEL DIV	NORFOLK	1,789
4	NED981723513	CLEAN HARBORS ENVIRONMENTAL SVC INC	KIMBALL	1,287
5	NED981495724	SAFETY KLEEN CORP	OMAHA	1,005
6	NED053316535	SAFETY KLEEN CORP	GRAND ISLAND	886
7	NED000687178	SAFETY KLEEN CORP - GERING	GERING	404
8	NED000610691	LOZIER CORP NORTH PLANT	OMAHA	330
9	NED980971733	DUNCAN AVIATION	LINCOLN	320
10	NED000610709	LOZIER CORP WEST PLANT	OMAHA	285
11	NED007263619	TENNECO AUTOMOTIVE MONROE	COZAD	236
12	NED007281728	LINCOLN PLATING CO	LINCOLN	219
13	NED007265077	AMERICAN METER CO	NEBRASKA CITY	199
14	NED007285257	MAGNUS/FARLEY INC	FREMONT	193
15	NED068652981	KAWASAKI MOTORS MFG	LINCOLN	184
16	NED007266331	GOODYEAR TIRE & RUBBER CO	LINCOLN	114
17	NED986387520	HUNT CLEANERS INC	COZAD	96
18	NED0000362525	PFIZER CUSTOMER RETURN CENTER	LINCOLN	72
19	NED986387850	FLEXCON COLUMBUS	COLUMBUS	69
20	NED007267214	VALMONT INDUSTRIES INC	VALLEY	65
21	NED065133167	EATON CORP	KEARNEY	54
22	NED007272701	DEETER FOUNDRY INC	LINCOLN	51
23	NED080219868	HYDRAULIC COMPONENTS IND	HARTINGTON	50
24	NED072902513	SQUARE D CO	LINCOLN	49
25	NED007274699	PFIZER ANIMAL HEALTH	LINCOLN	48
26	NED007262579	AMERICAN TOOL CO INC - DEWITT OPERATIONS	DE WITT	46
27	NED981117153	INTEGRATED RAIL PRODUCTS	OMAHA	46
28	NED007258213	MALNOVE INC	OMAHA	44
29	NE8571924648	OFFUTT AIR FORCE BASE	OFFUTT AFB	43
30	NED007286198	VICKERS INC	OMAHA	37
31	NED091998567	DANA CORP PERFECT CIRCLE SEALED POWER DI	HASTINGS	36
32	NED000819078	PLATTE CHEMICAL CO WEST PLANT	FREMONT	35
33	NED065106270	NATIONAL CRANE CORP	WAVERLY	32
34	NE0000316646	MOLEX INC UPLAND PLANT	LINCOLN	29
35	NED007268790	BEHLEN MANUFACTURING CO	COLUMBUS	28
36	NED091995159	FOUR SEASONS PAINT MFG CO	LINCOLN	28
37	NEP000000490	ROBERT D BOOKER USARTC	OMAHA	27
38	NET320010259	NEBRASKA DEPT OF ROADS	LINCOLN	26
39	NED986375327	VAN WATERS & ROGERS INC UNIVAR	OMAHA	23
40	NED007259518	STORE KRAFT MFG CO	BEATRICE	21
41	NED000822817	DALE ELECTRONICS - PLANT #2	COLUMBUS	21
42	NE0000004598	BAYER CORP	OMAHA	20
43	NET320010077	THERMO KING CORP	HASTINGS	19
44	NED000766808	UNIVERSITY OF NE CITY CAMPUS	LINCOLN	18
45	NED980973580	SUNDSTRAND AEROSPACE	YORK	18
46	NED047047543	BECTON DICKINSON CO	HOLDREGE	18
47	NED043534635	TECHNICAL PRODUCTS GROUP INC MAIN PLANT	LINCOLN	17
48	NED000819060	PLATTE CHEMICAL CO EAST PLANT	FREMONT	17
49	NED035036201	NEW HOLLAND N AMERICA INC	GRAND ISLAND	16
50	NED005070065	NOVARTIS CONSUMER HEALTH INC	LINCOLN	14

TOTAL

15,402

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY SHIPPERS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NEBRASKA

1997 WASTE RECEIPTS

15 NUMBER OF RCRA HAZARDOUS WASTE RECEIVERS: 6

16 QUANTITY OF RCRA HAZARDOUS WASTE RECEIVED: 40,203 TONS

17 FIFTY LARGEST RCRA HAZARDOUS WASTE RECEIVERS, 1997

RANK	EPA ID	SITE NAME	CITY	QUANTITY RECEIVED (TONS)
----	-----	-----	----	-----
1	NED981723513	CLEAN HARBORS ENVIRONMENTAL SVC INC	KIMBALL	37,973
2	NED981495724	SAFETY KLEEN CORP	OMAHA	951
3	NED053316535	SAFETY KLEEN CORP	GRAND ISLAND	640
4	NED000610550	AMERICAN MICROTRACE CORP	FAIRBURY	316
5	NED000687178	SAFETY KLEEN CORP - GERIING	GERIING	315
6	NED043534635	TECHNICAL PRODUCTS GROUP INC MAIN PLANT	LINCOLN	7
TOTAL				40,203

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY FACILITIES THAT RECEIVED WASTE.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NEBRASKA

1997 WASTE RECEIPTS, CONTINUED

18 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY MANAGEMENT METHOD,
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
METALS RECOVERY (FOR REUSE)	M011-M019	316	.8	1	33.3
SOLVENTS RECOVERY	M021-M029	6	.0	1	33.3
INCINERATION	M041-M049	37,973	99.2	1	33.3
TOTAL		38,295	100.0	3	

19 MANAGEMENT METHOD, BY QUANTITY OF RCRA HAZARDOUS WASTE MANAGED
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
INCINERATION	M041-M049	37,973	99.2	1	33.3
METALS RECOVERY (FOR REUSE)	M011-M019	316	.8	1	33.3
SOLVENTS RECOVERY	M021-M029	6	.0	1	33.3
TOTAL		38,295	100.0	3	

20 MANAGEMENT METHOD AND QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY NUMBER OF FACILITIES,
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
METALS RECOVERY (FOR REUSE)	M011-M019	316	.8	1	33.3
SOLVENTS RECOVERY	M021-M029	6	.0	1	33.3
INCINERATION	M041-M049	37,973	99.2	1	33.3
TOTAL		38,295	100.0	3	

NOTE: FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.
COLUMNS MAY NOT SUM DUE TO ROUNDING.
COLUMNS MAY NOT SUM TO TOTAL BECAUSE FACILITIES MAY HAVE MULTIPLE HANDLING METHODS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NEBRASKA

1997 IMPORTS AND EXPORTS

21	QUANTITY OF RCRA HAZARDOUS WASTE IMPORTED:	38,261 TONS
22	QUANTITY OF RCRA HAZARDOUS WASTE EXPORTED:	15,283 TONS

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

NEVADA

1997 WASTE GENERATION

1 NUMBER OF RCRA LARGE QUANTITY GENERATORS (LQGS): 90

2 QUANTITY OF RCRA HAZARDOUS WASTE GENERATED: 12,518 TONS

3 FIFTY LARGEST RCRA HAZARDOUS WASTE GENERATORS IN THE STATE, 1997

RANK	EPA ID	SITE NAME	CITY	TOTAL GENERATED (TONS)
----	-----	-----	----	-----
1	NVD980895338	21ST CENTURY EMI	FERNLEY	3,570
2	NVD981641434	R.R. DONNELLEY & SONS CO	RENO	2,700
3	NVR000002998	BLM FORMER MONITE EXP. FACTORY	SPARKS	2,369
4	NV3890090001	BECHTEL NV FOR USDOE NTS	MERCURY	656
5	NV2141190031	USDOJ BUREAU OF LAND MANAGEMENT	LAS VEGAS	264
6	NV1210090006	HAWTHORNE ARMY DEPOT	HAWTHORNE	243
7	NVD981967375	CHEMEX LABS INC.	SPARKS	237
8	NVD000627034	NEWMONT GOLD QUARRY MINE	CARLIN	171
9	NVD000626531	BARRICK GOLDSTRIKE MINES INC.	CARLIN	163
10	NVD981625015	SHERWIN WILLIAMS	SPARKS	141
11	NVD986766137	LAIDLAW ENV SVCS OF CA INC.	SPARKS	132
12	NVD982499329	AMERICAN ASSAY LABORATORIES, INC.	SPARKS	129
13	NVD982502684	SAINT MARYS REGIONAL MEDICAL CENTER	RENO	123
14	NVD986769560	BARRINGER LABORATORIES INC.	RENO	111
15	NVD986775369	LONE TREE MINE	VALMY	104
16	NVD982041345	LIFETOUCH PORTRAIT STUDIOS, INC.	RENO	90
17	NVD982408668	NEWMONT GOLD COMPANY - TWIN CREEKS MINE	GOLCONDA	88
18	NVR000001495	DUPONT WESTERN DISTRIBUTION CENTER	RENO	82
19	NVT000612176	VALENCE TECHNOLOGY INC.	HENDERSON	81
20	NVD990764961	CALNEV PIPE LINE CO, LAS VEGAS TERMINAL	LAS VEGAS	75
21	NVD096905724	SHERWIN WILLIAMS	RENO	74
22	NV0000452201	SHERWIN WILLIAMS	DAYTON	52
23	NVD092497999	PRECISION ROLLED PRODUCTS, INC.	RENO	50
24	NV7570024110	NELLIS AFB	NELLIS AFB	44
25	NVD986774735	GETCHELL GOLD CORPORATION/GETCHELL MINE	GOLCONDA	42
26	NV0000998880	LAS VEGAS HOUSING AUTHORITY	LAS VEGAS	40
27	NVR000000380	SUPERMARKET & INFORMATION SYSTEMS	SPARKS	40
28	NVD982467250	DURA-BOND BEARING COMPANY	CARSON CITY	37
29	NVD982403438	WASHOE COUNTY SCHOOL DISTRICT GETTO TRN	RENO	35
30	NVD980478143	NEVADA DIV OF AGRICULTURE	RENO	35
31	NVD982030520	NEVADA WOOD PRESERVING	SILVER SPRINGS	34
32	NVD981578909	OSULLIVAN PLASTICS CORPORATION	YERINGTON	30
33	NVD986771392	MASTER-HALCO, INC.	RENO	27
34	NVD009155631	AMERICAN WATER HEATER COMPANY	RENO	27
35	NVD070307103	NEVADA PLATING COMPANY	SPARKS	24
36	NVD986767572	COEUR ROCHESTER INC.	LOVELOCK	23
37	NVD982434961	CLARK COUNTY SCHOOL DISTRICT-KOEPSSELL S	HENDERSON	23
38	NVD982498289	GREG STREET PLATING	SPARKS	22
39	NVD986776169	COSTCO WHOLESALE #25	RENO	21
40	NVD982445991	YOUNG ELECTRIC SIGN COMPANY	LAS VEGAS	19
41	NVD982516049	AUTOMOTIVE PLATING SERVICES	LAS VEGAS	18
42	NV4360010322	USVA MEDICAL CENTER	RENO	16
43	NVD067817882	ROCKY MOUNTAIN GEOCHEMICAL	SPARKS	16
44	NVD986772002	WAL MART 1 HR PHOTO	CARSON CITY	16
45	NV0000453076	COSTCO WHOLESALE #35	LAS VEGAS	15
46	NV0001019678	HOLLY DECORATIONS INC.	SPARKS	14
47	NVD981963549	UNIVERSITY OF NEVADA, RENO, MAIN CAMPUS	RENO	13
48	NVD000630970	MOHAVE GENERATING STATION, SO. CAL. EDIS	LAUGHLIN	13
49	NVD058947086	SFPP, L.P.	SPARKS	12
50	NVD008477820	HAMILTON COMPANY	RENO	12

TOTAL

12,375

NOTE: STATE MAY HAVE FEWER THAN FIFTY GENERATORS.
GENERATORS WITH ZERO QUANTITY GENERATED ARE EXCLUDED.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NEVADA

1997 WASTE GENERATION, CONTINUED

4 QUANTITIES OF WASTE GENERATED IN 1997 THAT WERE

- REPORTED WITH ONLY CHARACTERISTIC WASTE CODES
- REPORTED WITH ONLY LISTED WASTE CODES
- REPORTED WITH BOTH CHARACTERISTIC AND LISTED WASTE CODES

WASTE HAS ONLY CHARACTERISTIC CODES	TONS OF WASTE GENERATED	WASTE HAS ONLY LISTED CODES	TONS OF WASTE GENERATED	WASTE HAS BOTH CHARACTERISTIC AND LISTED CODES	TONS OF WASTE GENERATED
ONLY IGNITABLE	149	ONLY AN F CODE	2,408		
ONLY CORROSIVE	9	ONLY A K CODE	12		
ONLY REACTIVE	168	ONLY A P CODE	0		
ONLY D004-17	1,851	ONLY A U CODE	1		
ONLY D018-43	2,395				
HAS MORE THAN ONE CHARACTERISTIC CODE	3,197	HAS MORE THAN ONE LISTED CODE	1		
TOTAL	7,767	TOTAL	2,422	BOTH CHARACTERISTIC & LISTED	2,328

5 QUANTITIES OF WASTE GENERATED IN 1997 THAT WERE MULTIPLY CODED

WASTE HAS ONLY CHARACTERISTIC CODES BUT MORE THAN ONE APPLIES	TONS OF WASTE GENERATED	ONLY LISTED CODES BUT HAS MORE THAN ONE	TONS OF WASTE GENERATED	BOTH CHAR, AND LISTED CODES	TONS OF WASTE GENERATED
HAS IGNITABLE CODE	481			IGN. W/ AT LEAST 1 LSTD	405
HAS CORROSIVE CODE	2,719			CORR. W/ AT LEAST 1 LSTD	43
HAS REACTIVE CODE	11			REACT. W/ AT LEAST 1 LSTD	17
HAS D004-D017 CODE	3,125			D004-17 W/ AT LEAST 1 LSTD	1,971
HAS D018-D043 CODE	453			D018-43 W/ AT LEAST 1 LSTD	162
		HAS AN F CODE	1	F WASTE W/ AT LEAST 1 CHAR	2,292
		HAS A K CODE	1	K WASTE W/ AT LEAST 1 CHAR	0
		HAS A P CODE	0	P WASTE W/ AT LEAST 1 CHAR	10
		HAS A U CODE	0	U WASTE W/ AT LEAST 1 CHAR	39
TOTAL	3,197	TOTAL	1	TOTAL	2,328

NOTE: COLUMNS DO NOT SUM TO TOTAL BECAUSE A WASTE CODE MAY APPLY TO MORE THAN ONE WASTE.
 MIXTURES WITH IGNITABLE, CORROSIVE, REACTIVE, D004-17, AND D018-43 CHARACTERISTIC CODES ALSO MAY
 CONTAIN OTHER CHARACTERISTIC WASTE CODES.
 SIMILARLY, WASTES WITH F,K,P, AND U LISTED CODES MAY HAVE OTHER LISTED WASTE CODES.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NEVADA

1997 WASTE MANAGEMENT

6 NUMBER OF RCRA TSD FACILITIES: 6

7 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED: 29,313 TONS

8 FIFTY LARGEST RCRA HAZARDOUS WASTE MANAGEMENT FACILITIES, 1997

RANK	EPA ID	SITE NAME	CITY	TONS OF WASTE MANAGED
----	-----	-----	----	-----
1	NVT330010000	US ECOLOGY INC, BEATTY, NV	BEATTY	29,249
2	NVD980895338	21ST CENTURY EMI	FERNLEY	64
TOTAL				29,313

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
 STATE MAY HAVE FEWER THAN FIFTY FACILITIES THAT MANAGED WASTE.
 FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NEVADA

1997 WASTE MANAGEMENT, CONTINUED

9 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY MANAGEMENT METHOD, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
METALS RECOVERY (FOR REUSE)	M011-M019	17	.1	1	50.0
INCINERATION	M041-M049	9	.0	1	50.0
STABILIZATION	M111-M119	25,783	88.0	1	50.0
LANDFILL	M132	3,502	11.9	2	100.0
OTHER DISPOSAL SPECIFIED IN COMMENTS	M137	1	.0	1	50.0
TOTAL		29,313	100.0	2	

10 MANAGEMENT METHOD, BY QUANTITY OF RCRA HAZARDOUS WASTE MANAGED, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
STABILIZATION	M111-M119	25,783	88.0	1	50.0
LANDFILL	M132	3,502	11.9	2	100.0
METALS RECOVERY (FOR REUSE)	M011-M019	17	.1	1	50.0
INCINERATION	M041-M049	9	.0	1	50.0
OTHER DISPOSAL SPECIFIED IN COMMENTS	M137	1	.0	1	50.0
TOTAL		29,313	100.0	2	

11 MANAGEMENT METHOD AND QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY NUMBER OF FACILITIES, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
LANDFILL	M132	3,502	11.9	2	100.0
OTHER DISPOSAL SPECIFIED IN COMMENTS	M137	1	.0	1	50.0
METALS RECOVERY (FOR REUSE)	M011-M019	17	.1	1	50.0
INCINERATION	M041-M049	9	.0	1	50.0
STABILIZATION	M111-M119	25,783	88.0	1	50.0
TOTAL		29,313	100.0	2	

NOTE: FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.
COLUMNS MAY NOT SUM DUE TO ROUNDING.
COLUMNS MAY NOT SUM TO TOTAL BECAUSE FACILITIES MAY HAVE MULTIPLE HANDLING METHODS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

NEVADA

1997 WASTE SHIPMENTS

12 NUMBER OF RCRA HAZARDOUS WASTE SHIPPERS: 84

13 QUANTITY OF RCRA HAZARDOUS WASTE SHIPPED: 10,075 TONS

14 FIFTY LARGEST RCRA HAZARDOUS WASTE SHIPPERS, 1997

RANK	EPA ID	SITE NAME	CITY	QUANTITY SHIPPED (TONS)
----	-----	-----	----	-----
1	NVD980895338	21ST CENTURY EMI	FERNLEY	3,188
2	NVR000002998	BLM FORMER MONITE EXP. FACTORY	SPARKS	2,369
3	NV3890090001	BECHTEL NV FOR USDOE NTS	MERCURY	664
4	NVT330010208	SAFETY-KLEEN CORP	N LAS VEGAS	593
5	NV2141190031	USDOJ BUREAU OF LAND MANAGEMENT	LAS VEGAS	264
6	NVD981967375	CHEMEX LABS INC.	SPARKS	237
7	NVR000000018	POWER LOGISTICS	N LAS VEGAS	184
8	NVD000627034	NEWMONT GOLD QUARRY MINE	CARLIN	171
9	NVD000626531	BARRICK GOLDSTRIKE MINES INC.	CARLIN	163
10	NVD981625015	SHERWIN WILLIAMS	SPARKS	141
11	NVD986766137	LAIDLAW ENV SVCS OF CA INC.	SPARKS	132
12	NVD982499329	AMERICAN ASSAY LABORATORIES, INC.	SPARKS	129
13	NVD981641434	R.R. DONNELLEY & SONS CO	RENO	114
14	NVD986769560	BARRINGER LABORATORIES INC.	RENO	110
15	NVD986775369	LONE TREE MINE	VALMY	94
16	NVD982408668	NEWMONT GOLD COMPANY - TWIN CREEKS MINE	GOLCONDA	88
17	NVD982041345	LIFETOUGH PORTRAIT STUDIOS, INC.	RENO	86
18	NV1210090006	HAWTHORNE ARMY DEPOT	HAWTHORNE	84
19	NVR000001495	DUPONT WESTERN DISTRIBUTION CENTER	RENO	82
20	NVT000612176	VALENCE TECHNOLOGY INC.	HENDERSON	81
21	NVD096905724	SHERWIN WILLIAMS	RENO	74
22	NVD990764961	CALNEV PIPE LINE CO, LAS VEGAS TERMINAL	LAS VEGAS	66
23	NVD986769255	MCCARRAN INTERNATIONAL AIRPORT	LAS VEGAS	54
24	NV0000452201	SHERWIN WILLIAMS	DAYTON	52
25	NVD092497999	PRECISION ROLLED PRODUCTS, INC.	RENO	50
26	NV7570024110	NELLIS AFB	NELLIS AFB	44
27	NV0000998880	LAS VEGAS HOUSING AUTHORITY	LAS VEGAS	40
28	NVR000000380	SUPERMARKET & INFORMATION SYSTEMS	SPARKS	40
29	NVD986767572	COEUR ROCHESTER INC.	LOVELOCK	40
30	NVD986774735	GETCHELL GOLD CORPORATION/GETCHELL MINE	GOLCONDA	39
31	NVD982467250	DURA-BOND BEARING COMPANY	CARSON CITY	37
32	NVD982403438	WASHOE COUNTY SCHOOL DISTRICT GETTO TRN	RENO	35
33	NVD982030520	NEVADA WOOD PRESERVING	SILVER SPRINGS	34
34	NVD982502684	SAINT MARYS REGIONAL MEDICAL CENTER	RENO	32
35	NVD981578909	OSULLIVAN PLASTICS CORPORATION	YERINGTON	30
36	NVD986771392	MASTER-HALCO, INC.	RENO	27
37	NVD009155631	AMERICAN WATER HEATER COMPANY	RENO	27
38	NVD070307103	NEVADA PLATING COMPANY	SPARKS	24
39	NVD982434961	CLARK COUNTY SCHOOL DISTRICT-KOEPSSELL S	HENDERSON	23
40	NVD982498289	GREG STREET PLATING	SPARKS	22
41	NVD986776169	COSTCO WHOLESALE #25	RENO	21
42	NVD982445991	YOUNG ELECTRIC SIGN COMPANY	LAS VEGAS	19
43	NV4360010322	USVA MEDICAL CENTER	RENO	16
44	NVD067817882	ROCKY MOUNTAIN GEOCHEMICAL	SPARKS	16
45	NVD986772002	WAL MART 1 HR PHOTO	CARSON CITY	16
46	NV9170022173	NAVAL AIR STATION, FALLON, NEVADA	FALLON	15
47	NV0000453076	COSTCO WHOLESALE #35	LAS VEGAS	15
48	NV0001019678	HOLLY DECORATIONS INC.	SPARKS	14
49	NVD981963549	UNIVERSITY OF NEVADA, RENO, MAIN CAMPUS	RENO	13
50	NVD000630970	MOHAVE GENERATING STATION, SO. CAL. EDIS	LAUGHLIN	13

TOTAL

9,924

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY SHIPPERS.

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NEVADA

1997 WASTE RECEIPTS

15 NUMBER OF RCRA HAZARDOUS WASTE RECEIVERS: 3

16 QUANTITY OF RCRA HAZARDOUS WASTE RECEIVED: 29,606 TONS

17 FIFTY LARGEST RCRA HAZARDOUS WASTE RECEIVERS, 1997

RANK	EPA ID	SITE NAME	CITY	QUANTITY RECEIVED (TONS)
----	-----	-----	----	-----
1	NVT330010000	US ECOLOGY INC, BEATTY, NV	BEATTY	29,282
2	NVT330010208	SAFETY-KLEEN CORP	N LAS VEGAS	260
3	NVD980895338	21ST CENTURY EMI	FERNLEY	64

TOTAL				29,606
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NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY FACILITIES THAT RECEIVED WASTE.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

NEVADA

1997 WASTE RECEIPTS, CONTINUED

**18 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY MANAGEMENT METHOD,
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997**

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
METALS RECOVERY (FOR REUSE)	M011-M019	17	.1	1	50.0
INCINERATION	M041-M049	9	.0	1	50.0
STABILIZATION	M111-M119	25,783	88.0	1	50.0
LANDFILL	M132	3,499	11.9	2	100.0
TOTAL		29,309	100.0	2	

**19 MANAGEMENT METHOD, BY QUANTITY OF RCRA HAZARDOUS WASTE MANAGED
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997**

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
STABILIZATION	M111-M119	25,783	88.0	1	50.0
LANDFILL	M132	3,499	11.9	2	100.0
METALS RECOVERY (FOR REUSE)	M011-M019	17	.1	1	50.0
INCINERATION	M041-M049	9	.0	1	50.0
TOTAL		29,309	100.0	2	

**20 MANAGEMENT METHOD AND QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY NUMBER OF FACILITIES,
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997**

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
LANDFILL	M132	3,499	11.9	2	100.0
METALS RECOVERY (FOR REUSE)	M011-M019	17	.1	1	50.0
INCINERATION	M041-M049	9	.0	1	50.0
STABILIZATION	M111-M119	25,783	88.0	1	50.0
TOTAL		29,309	100.0	2	

NOTE: FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.
COLUMNS MAY NOT SUM DUE TO ROUNDING.
COLUMNS MAY NOT SUM TO TOTAL BECAUSE FACILITIES MAY HAVE MULTIPLE HANDLING METHODS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NEVADA

1997 IMPORTS AND EXPORTS

21 QUANTITY OF RCRA HAZARDOUS WASTE IMPORTED: 28,570 TONS

22 QUANTITY OF RCRA HAZARDOUS WASTE EXPORTED: 6,570 TONS

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

NEW HAMPSHIRE

1997 WASTE GENERATION

1 NUMBER OF RCRA LARGE QUANTITY GENERATORS (LQGS): 152

2 QUANTITY OF RCRA HAZARDOUS WASTE GENERATED: 9,751 TONS

3 FIFTY LARGEST RCRA HAZARDOUS WASTE GENERATORS IN THE STATE, 1997

RANK	EPA ID	SITE NAME	CITY	TOTAL GENERATED (TONS)
----	-----	-----	----	-----
1	NHD058537960	WEBSTER VALVE INC	FRANKLIN	2,741
2	NHD048724173	HAMPSHIRE CHEMICAL CORPORATION	NASHUA	1,488
3	NHD046312559	HADCO CORPORATION	DERRY	574
4	NHD986466688	CIRCUIT CONNECT INC	NASHUA	401
5	NHD002059525	K W THOMPSON TOOL CO	ROCHESTER	397
6	NHD018953794	STURM RUGER & CO INC	NEWPORT	365
7	NHD073974651	TERADYNE CIRCUITS DIVISION	NASHUA	364
8	NHD980668156	HADCO CORPORATION	SALEM	333
9	NHD001078682	HITCHINER MFG. CO. INC.	MILFORD	256
10	NHD001038348	UPACO ADHESIVE INC	NASHUA	159
11	NHD001091073	GENERAL ELECTRIC CO	SOMERSWORTH	144
12	NHD080027048	POLYCLAD LAMINATES, INC.	FRANKLIN	139
13	NHD081255788	ADVANCED CIRCUIT TECHNOLOGY INC	NASHUA	132
14	NHD040245607	SANMINA CORP	NASHUA	131
15	NHD048729685	BAILEY CORPORATION	SEABROOK	104
16	NHD048722466	K J QUINN & CO INC	SEABROOK	96
17	NHD001427475	GENERAL ELECTRIC AIRCRAFT ENGINES	HOOKSETT	76
18	NHD073990418	F C I ELECTRICAL	LINCOLN	75
19	NHD990717092	DEXTER POLYMER SYSTEMS	SEABROOK	56
20	NHD500004569	TEXTRON SYSTEMS CORPORATION	FARMINGTON	51
21	NHD001089465	VISHAY SPRAGUE INC	CONCORD	49
22	NHD066752734	FREUDENBERG-NOK, GP	MANCHESTER	48
23	NHD062002035	MILLIPORE CORP	JAFFREY	48
24	NHD099362048	POLYCLAD LAMINATES, INC.	FRANKLIN	45
25	NH7570024847	PEASE AIR FORCE BASE	PEASE ANGB	41
26	NHD001085158	MARKEM CORP	KEENE	40
27	NHD500004247	LAIDLAW ENVIRONMENTAL SERVICES (NE) INC	NASHUA	40
28	NHD073964496	SPLIT BALLBEARING	LEBANON	39
29	NHD001088624	KINGSTON-WARREN CORP	NEWFIELDS	38
30	NHD037695236	HEIDELBERG	DOVER	36
31	NHD986467124	TELEDYNE HALCO	LONDONDERRY	35
32	NHD990717803	NEW ENGLAND BUSINESS SERVICE, INC.	PETERBOROUGH	34
33	NHD045513785	UNITRODE CORPORATION	MERRIMACK	32
34	NHD001078062	TELEDYNE ELECTRONIC TECH	HUDSON	32
35	NHD500020847	L W PACKARD & CO INC	NEW HAMPTON	31
36	NHD986468676	AERO DYNAMICS	SALEM	29
37	NHD066755364	BATESVILLE CASKET CO	NASHUA	29
38	NHD986469377	BIOPURE CORPORATION	DOVER	27
39	NHD001083609	LEWIS & SAUNDERS, INC.	LACONIA	27
40	NHD001082908	MINITURE PRECISION BEARINGS	KEENE	26
41	NHD001422351	ALLTEX UNIFORM RENTAL SERVICE INC	MANCHESTER	26
42	NHD048727994	CHOMERICS INC	HUDSON	26
43	NHD040252744	ELEKTRISOLA INC	BOSCAWEN	25
44	NHD986472249	ADVANCE CIRCUIT SYSTEMS INC	FRANKLIN	24
45	NHD073984288	OSRAM SYLVANIA PRODUCTS INC	HILLSBORO	24
46	NHD982716169	PHILLIPS EXETER ACADEMY	EXETER	23
47	NHD991302522	HADCO CORPORATION	HUDSON	22
48	NHD040244428	ELECTROPAC CO INC	MANCHESTER	21
49	NHD001079433	NASHUA CORPORATION	NASHUA	21
50	NHD001084672	FREUDENBERG-NOK GENERAL PARTNERSHIP	BRISTOL	20

TOTAL

9,041

NOTE: STATE MAY HAVE FEWER THAN FIFTY GENERATORS.
GENERATORS WITH ZERO QUANTITY GENERATED ARE EXCLUDED.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NEW HAMPSHIRE

1997 WASTE GENERATION, CONTINUED

4 QUANTITIES OF WASTE GENERATED IN 1997 THAT WERE

- REPORTED WITH ONLY CHARACTERISTIC WASTE CODES
- REPORTED WITH ONLY LISTED WASTE CODES
- REPORTED WITH BOTH CHARACTERISTIC AND LISTED WASTE CODES

WASTE HAS ONLY CHARACTERISTIC CODES	TONS OF WASTE GENERATED	WASTE HAS ONLY LISTED CODES	TONS OF WASTE GENERATED	WASTE HAS BOTH CHARACTERISTIC AND LISTED CODES	TONS OF WASTE GENERATED
ONLY IGNITABLE	398	ONLY AN F CODE	3,398		
ONLY CORROSIVE	424	ONLY A K CODE	0		
ONLY REACTIVE	18	ONLY A P CODE	0		
ONLY D004-17	1,798	ONLY A U CODE	1		
ONLY D018-43	70				
HAS MORE THAN ONE CHARACTERISTIC CODE	2,227	HAS MORE THAN ONE LISTED CODE	0		
TOTAL	4,935	TOTAL	3,400	BOTH CHARACTERISTIC & LISTED	1,413

5 QUANTITIES OF WASTE GENERATED IN 1997 THAT WERE MULTIPLY CODED

WASTE HAS ONLY CHARACTERISTIC CODES BUT MORE THAN ONE APPLIES	TONS OF WASTE GENERATED	ONLY LISTED CODES BUT HAS MORE THAN ONE	TONS OF WASTE GENERATED	BOTH CHAR, AND LISTED CODES	TONS OF WASTE GENERATED
HAS IGNITABLE CODE	198			IGN. W/ AT LEAST 1 LSTD	1,091
HAS CORROSIVE CODE	2,065			CORR. W/ AT LEAST 1 LSTD	23
HAS REACTIVE CODE	960			REACT. W/ AT LEAST 1 LSTD	7
HAS D004-D017 CODE	1,155			D004-17 W/ AT LEAST 1 LSTD	214
HAS D018-D043 CODE	130			D018-43 W/ AT LEAST 1 LSTD	522
		HAS AN F CODE	0	F WASTE W/ AT LEAST 1 CHAR	1,401
		HAS A K CODE	0	K WASTE W/ AT LEAST 1 CHAR	0
		HAS A P CODE	0	P WASTE W/ AT LEAST 1 CHAR	0
		HAS A U CODE	0	U WASTE W/ AT LEAST 1 CHAR	13
TOTAL	2,227	TOTAL	0	TOTAL	1,413

NOTE: COLUMNS DO NOT SUM TO TOTAL BECAUSE A WASTE CODE MAY APPLY TO MORE THAN ONE WASTE.
 MIXTURES WITH IGNITABLE, CORROSIVE, REACTIVE, D004-17, AND D018-43 CHARACTERISTIC CODES ALSO MAY
 CONTAIN OTHER CHARACTERISTIC WASTE CODES.
 SIMILARLY, WASTES WITH F,K,P, AND U LISTED CODES MAY HAVE OTHER LISTED WASTE CODES.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NEW HAMPSHIRE

1997 WASTE MANAGEMENT

6 NUMBER OF RCRA TSD FACILITIES: 1

7 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED: 0 TONS

TABLES 8, 9, 10 AND 11 HAVE BEEN OMITTED FROM THIS REPORT BECAUSE THERE WERE NO FACILITIES IN NEW HAMPSHIRE THAT REPORTED MANAGING RCRA HAZARDOUS WASTE IN 1997 OTHER THAN AS A STORAGE ONLY FACILITY.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NEW HAMPSHIRE

1997 WASTE SHIPMENTS

12 NUMBER OF RCRA HAZARDOUS WASTE SHIPPERS: 142

13 QUANTITY OF RCRA HAZARDOUS WASTE SHIPPED: 7,656 TONS

14 FIFTY LARGEST RCRA HAZARDOUS WASTE SHIPPERS, 1997

RANK	EPA ID	SITE NAME	CITY	QUANTITY SHIPPED (TONS)
----	-----	-----	----	-----
1	NHD048724173	HAMPSHIRE CHEMICAL CORPORATION	NASHUA	1,480
2	NHD058537960	WEBSTER VALVE INC	FRANKLIN	611
3	NHD046312559	HADCO CORPORATION	DERRY	574
4	NHD018953794	STURM RUGER & CO INC	NEWPORT	365
5	NHD073974651	TERADYNE CIRCUITS DIVISION	NASHUA	364
6	NHD048729685	BAILEY CORPORATION	SEABROOK	338
7	NHD980668156	HADCO CORPORATION	SALEM	334
8	NHD990717092	DEXTER POLYMER SYSTEMS	SEABROOK	277
9	NHD002059525	K W THOMPSON TOOL CO	ROCHESTER	262
10	NHD001078682	HITCHINER MFG. CO. INC.	MILFORD	204
11	NHD081255788	ADVANCED CIRCUIT TECHNOLOGY INC	NASHUA	194
12	NHD001038348	UPACO ADHESIVE INC	NASHUA	159
13	NHD001091073	GENERAL ELECTRIC CO	SOMERSWORTH	144
14	NHD080027048	POLYCLAD LAMINATES, INC.	FRANKLIN	139
15	NHD040245607	SANMINA CORP	NASHUA	131
16	NHD986466688	CIRCUIT CONNECT INC	NASHUA	125
17	NHD048722466	K J QUINN & CO INC	SEABROOK	96
18	NHD001427475	GENERAL ELECTRIC AIRCRAFT ENGINES	HOOKSETT	76
19	NHD073990418	F C I ELECTRICAL	LINCOLN	75
20	NHD045011616	TEXTRON AUTOMOTIVE INTERIORS	FARMINGTON	71
21	NHD500004569	TEXTRON SYSTEMS CORPORATION	FARMINGTON	51
22	NHD001089465	VISHAY SPRAGUE INC	CONCORD	49
23	NHD066752734	FREUDENBERG-NOK, GP	MANCHESTER	48
24	NHD099362048	POLYCLAD LAMINATES, INC.	FRANKLIN	45
25	NHD062002035	MILLIPORE CORP	JAFFREY	45
26	NH7570024847	PEASE AIR FORCE BASE	PEASE ANGB	41
27	NHD500004247	LAIDLAW ENVIRONMENTAL SERVICES (NE) INC	NASHUA	40
28	NHD073964496	SPLIT BALLBEARING	LEBANON	39
29	NHD001088624	KINGSTON-WARREN CORP	NEWFIELDS	38
30	NHD037695236	HEIDELBERG	DOVER	36
31	NHD986467124	TELEDYNE HALCO	LONDONDERRY	35
32	NHD990717803	NEW ENGLAND BUSINESS SERVICE, INC.	PETERBOROUGH	34
33	NHD045513785	UNITRODE CORPORATION	MERRIMACK	32
34	NHD001078062	TELEDYNE ELECTRONIC TECH	HUDSON	32
35	NHD500020847	L W PACKARD & CO INC	NEW HAMPTON	31
36	NHD986468676	AERO DYNAMICS	SALEM	29
37	NHD001085158	MARKEM CORP	KEENE	29
38	NHD066755364	BATESVILLE CASKET CO	NASHUA	27
39	NHD986469377	BIOPURE CORPORATION	DOVER	27
40	NHD001083609	LEWIS & SAUNDERS, INC.	LACONIA	27
41	NHD001082908	MINITURE PRECISION BEARINGS	KEENE	26
42	NHD001422351	ALLTEX UNIFORM RENTAL SERVICE INC	MANCHESTER	26
43	NHD048727994	CHOMERICS INC	HUDSON	26
44	NHD040252744	ELEKTRISOLA INC	BOSCAWEN	25
45	NHD986472249	ADVANCE CIRCUIT SYSTEMS INC	FRANKLIN	24
46	NHD073984288	OSRAM SYLVANIA PRODUCTS INC	HILLSBORO	24
47	NHD982716169	PHILLIPS EXETER ACADEMY	EXETER	23
48	NHD991302522	HADCO CORPORATION	HUDSON	22
49	NHD001079433	NASHUA CORPORATION	NASHUA	21
50	NHD986486488	AAVID PRECISION EXTRUSION	FRANKLIN	20

TOTAL

6,990

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY SHIPPERS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NEW HAMPSHIRE

1997 WASTE RECEIPTS

TABLES 15, 16, 17, 18, 19 AND 20 HAVE BEEN OMITTED FROM THIS REPORT BECAUSE THERE WERE NO FACILITIES IN NEW HAMPSHIRE THAT REPORTED RECEIVING RCRA HAZARDOUS WASTE IN 1997.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NEW HAMPSHIRE

1997 IMPORTS AND EXPORTS

21 QUANTITY OF RCRA HAZARDOUS WASTE IMPORTED: 0 TONS

22 QUANTITY OF RCRA HAZARDOUS WASTE EXPORTED: 7,656 TONS

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

NEW JERSEY

1997 WASTE GENERATION

1 NUMBER OF RCRA LARGE QUANTITY GENERATORS (LQGS): 819

2 QUANTITY OF RCRA HAZARDOUS WASTE GENERATED: 348,409 TONS

3 FIFTY LARGEST RCRA HAZARDOUS WASTE GENERATORS IN THE STATE, 1997

RANK	EPA ID	SITE NAME	CITY	TOTAL GENERATED (TONS)
----	-----	-----	----	-----
1	NJD002454544	MARISOL INC	MIDDLESEX	161,843
2	NJD002385730	EI DUPONT-CHAMBERS WORKS	DEEPWATER	47,525
3	NJD002156354	GIVAUDAN ROURE CORPORATION	CLIFTON	17,666
4	NJD002171593	CHEVRON CHEMICAL COMPANY	SOUTH PLAINFIELD	14,006
5	NJD078873270	CO-STEEL SAYREVILLE	SAYREVILLE	10,134
6	NJD002325074	LENOX CHINA	POMONA	7,616
7	NJD002460855	MADISON INDUSTRIES INC	OLD BRIDGE	4,285
8	NJD011246337	HULS AMERICA INC	ELIZABETH	3,965
9	NJD990753162	COASTAL EAGLE POINT OIL COMPANY	WESTVILLE	3,877
10	NJD002365930	SHIELDALLOY METALLURGICAL CORP	NEWFIELD	3,781
11	NJD986571016	USEPA-REGION II	FRANKLIN	3,543
12	NJD002194843	INTERNATIONAL FLAVORS AND FRAGRANCES	UNION BEACH	3,070
13	NJD002146504	ISP VAN DYK INC	BELLEVILLE	2,982
14	NJD002347565	US PIPE & FOUNDRY CO	BURLINGTON	2,607
15	NJD986570992	USEPA REGION II	FRANKLIN	2,569
16	NJD980772370	BEST FOODS/MUELLER	JERSEY CITY	2,061
17	NJD981080401	CHEM-FLEUR INTERNATIONAL	NEWARK	1,932
18	NJD980753875	AUSIMONT USA INC	THOROFARE	1,828
19	NJD002191211	HOFFMANN-LA ROCHE INC	NUTLEY	1,658
20	NJD001317601	SCHERING CORPORATION	UNION	1,599
21	NJD001213727	GANES CHEMICALS INC	CARLSTADT	1,565
22	NJD053101085	MOBIL CHEMICAL CO CHEMICAL PRODUCTS DIV	EDISON	1,516
23	NJD986647345	SIMMONDS PRECISION FACILITY	CHESTER	1,515
24	NJD002011294	STEPAN COMPANY	MAYWOOD	1,386
25	NJD042896738	SMITHKLINE BEECHAM PHARMACEUTICALS	PISCATAWAY	1,357
26	NJD002457273	CAMPBELL FOUNDRY COMPANY	HARRISON	1,307
27	NJD002165140	THE PALNUT COMPANY	MOUNTAINSIDE	1,220
28	NJT350010112	PERMACEL	NORTH BRUNSWICK	1,058
29	NJD986645232	PORT AUTHORITY OF NY & NJ	PERTH AMBOY	1,051
30	NJD079323044	HOECHST CELANESE CORP	NEWARK	957
31	NJD001700707	SOLUTIA INC	BRIDGEPORT	938
32	NJD001519107	HOEGANAES CORPORATION	RIVERTON	802
33	NJD000692905	EXXON CHEMICAL AMERICAS-BAYWAY	LINDEN	799
34	NJD986588366	SHELL SERVICE STATION	HASBROUCK HEIGHTS	790
35	NJD020783304	FRAGRANCE RESOURCES INC	KEYPORT	757
36	NJD002147023	NOVARTIS PHARMECEUTICALS CORPORATION	EAST HANOVER	749
37	NJD002152205	THE OKONITE COMPANY	NORTH BRUNSWICK	725
38	NJD001787944	ZENECA INC	BAYONNE	686
39	NJD002186690	GENERAL MOTORS CORPORATION	LINDEN	668
40	NJD053514428	E.C.D. INC	HILLSIDE	659
41	NJD002157030	SHERWIN-WILLIAMS DBA CON-LUX COATINGS	EDISON	658
42	NJD002139228	COURTAULDS COATINGS INC	UNION	631
43	NJD002352607	WILMAD GLASS	BUENA	607
44	NJD003000049	BASF CORPORATION	WASHINGTON	595
45	NJR000020560	ORION ELIZABETH NEW JERSEY	ELIZABETH	576
46	NJD001572999	ITT MARLOW	MIDLAND PARK	568
47	NJD002143782	FORD MOTOR CO EDISON ASSEMBLY PLANT	EDISON	534
48	NJD002334795	COOK COMPOSITES & POLYMERS CO	PENNSAUKEN	512
49	NJD002178796	ENGINEERED PRECISION CASTING CO	MIDDLETOWN	475
50	NJD002345247	CIRCUIT FOIL USA, INC	BORDENTOWN	396
TOTAL				324,604

NOTE: STATE MAY HAVE FEWER THAN FIFTY GENERATORS.
GENERATORS WITH ZERO QUANTITY GENERATED ARE EXCLUDED.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NEW JERSEY

1997 WASTE GENERATION, CONTINUED

4 QUANTITIES OF WASTE GENERATED IN 1997 THAT WERE

- REPORTED WITH ONLY CHARACTERISTIC WASTE CODES
- REPORTED WITH ONLY LISTED WASTE CODES
- REPORTED WITH BOTH CHARACTERISTIC AND LISTED WASTE CODES

WASTE HAS ONLY CHARACTERISTIC CODES	TONS OF WASTE GENERATED	WASTE HAS ONLY LISTED CODES	TONS OF WASTE GENERATED	WASTE HAS BOTH CHARACTERISTIC AND LISTED CODES	TONS OF WASTE GENERATED
ONLY IGNITABLE	12,088	ONLY AN F CODE	6,902		
ONLY CORROSIVE	624	ONLY A K CODE	10,206		
ONLY REACTIVE	251	ONLY A P CODE	64		
ONLY D004-17	36,535	ONLY A U CODE	227		
ONLY D018-43	2,145				
HAS MORE THAN ONE CHARACTERISTIC CODE	9,116	HAS MORE THAN ONE LISTED CODE	56,911		
TOTAL	60,759	TOTAL	74,310	BOTH CHARACTERISTIC & LISTED	213,072

5 QUANTITIES OF WASTE GENERATED IN 1997 THAT WERE MULTIPLY CODED

WASTE HAS ONLY CHARACTERISTIC CODES BUT MORE THAN ONE APPLIES	TONS OF WASTE GENERATED	ONLY LISTED CODES BUT HAS MORE THAN ONE	TONS OF WASTE GENERATED	BOTH CHAR, AND LISTED CODES	TONS OF WASTE GENERATED
HAS IGNITABLE CODE	3,994			IGN. W/ AT LEAST 1 LSTD	201,115
HAS CORROSIVE CODE	1,292			CORR. W/ AT LEAST 1 LSTD	1,224
HAS REACTIVE CODE	2,003			REACT. W/ AT LEAST 1 LSTD	443
HAS D004-D017 CODE	7,906			D004-17 W/ AT LEAST 1 LSTD	3,989
HAS D018-D043 CODE	7,272			D018-43 W/ AT LEAST 1 LSTD	190,372
		HAS AN F CODE	42,879	F WASTE W/ AT LEAST 1 CHAR	207,257
		HAS A K CODE	42,864	K WASTE W/ AT LEAST 1 CHAR	5,229
		HAS A P CODE	14,034	P WASTE W/ AT LEAST 1 CHAR	68
		HAS A U CODE	21,933	U WASTE W/ AT LEAST 1 CHAR	896
TOTAL	9,116	TOTAL	56,911	TOTAL	213,072

NOTE: COLUMNS DO NOT SUM TO TOTAL BECAUSE A WASTE CODE MAY APPLY TO MORE THAN ONE WASTE.
 MIXTURES WITH IGNITABLE, CORROSIVE, REACTIVE, D004-17, AND D018-43 CHARACTERISTIC CODES ALSO MAY
 CONTAIN OTHER CHARACTERISTIC WASTE CODES.
 SIMILARLY, WASTES WITH F,K,P, AND U LISTED CODES MAY HAVE OTHER LISTED WASTE CODES.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

NEW JERSEY

1997 WASTE MANAGEMENT

6 NUMBER OF RCRA TSD FACILITIES: 85

7 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED: 86,095 TONS

8 FIFTY LARGEST RCRA HAZARDOUS WASTE MANAGEMENT FACILITIES, 1997

RANK	EPA ID	SITE NAME	CITY	TONS OF WASTE MANAGED
----	-----	-----	----	-----
1	NJD002454544	MARISOL INC	MIDDLESEX	43,357
2	NJD002385730	EI DUPONT-CHAMBERS WORKS	DEEPWATER	42,270
3	NJD001787944	ZENECA INC	BAYONNE	282
4	NJD002521961	HERCULES INC	PARLIN	95
5	NJD049874415	KENDALL/BETHAM	MIDDLESEX	36
6	NJD000818518	AMES RUBBER CORP PLANT 3	SUSSEX	26
7	NJD002141489	ENGELHARD CORPORATION	EAST NEWARK	26
8	NJD001316173	NOVARTIS PHARMACEUTICALS	SUMMIT	2
TOTAL				86,095

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY FACILITIES THAT MANAGED WASTE.
FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NEW JERSEY

1997 WASTE MANAGEMENT, CONTINUED

9 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY MANAGEMENT METHOD, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
SOLVENTS RECOVERY	M021-M029	3,598	4.2	4	50.0
OTHER RECOVERY	M031-M039	36	.0	1	12.5
INCINERATION	M041-M049	396	.5	3	37.5
FUEL BLENDING	M061	39,794	46.2	1	12.5
SLUDGE TREATMENT	M101-M109	521	.6	1	12.5
STABILIZATION	M111-M119	41,749	48.5	1	12.5
LANDFILL	M132	0	.0	1	12.5
TOTAL		86,095	100.0	8	

10 MANAGEMENT METHOD, BY QUANTITY OF RCRA HAZARDOUS WASTE MANAGED, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
STABILIZATION	M111-M119	41,749	48.5	1	12.5
FUEL BLENDING	M061	39,794	46.2	1	12.5
SOLVENTS RECOVERY	M021-M029	3,598	4.2	4	50.0
SLUDGE TREATMENT	M101-M109	521	.6	1	12.5
INCINERATION	M041-M049	396	.5	3	37.5
OTHER RECOVERY	M031-M039	36	.0	1	12.5
LANDFILL	M132	0	.0	1	12.5
TOTAL		86,095	100.0	8	

11 MANAGEMENT METHOD AND QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY NUMBER OF FACILITIES, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
SOLVENTS RECOVERY	M021-M029	3,598	4.2	4	50.0
INCINERATION	M041-M049	396	.5	3	37.5
FUEL BLENDING	M061	39,794	46.2	1	12.5
LANDFILL	M132	0	.0	1	12.5
OTHER RECOVERY	M031-M039	36	.0	1	12.5
SLUDGE TREATMENT	M101-M109	521	.6	1	12.5
STABILIZATION	M111-M119	41,749	48.5	1	12.5
TOTAL		86,095	100.0	8	

NOTE: FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.
COLUMNS MAY NOT SUM DUE TO ROUNDING.
COLUMNS MAY NOT SUM TO TOTAL BECAUSE FACILITIES MAY HAVE MULTIPLE HANDLING METHODS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

NEW JERSEY

1997 WASTE SHIPMENTS

12 NUMBER OF RCRA HAZARDOUS WASTE SHIPPERS: 749

13 QUANTITY OF RCRA HAZARDOUS WASTE SHIPPED: 158,068 TONS

14 FIFTY LARGEST RCRA HAZARDOUS WASTE SHIPPERS, 1997

RANK	EPA ID	SITE NAME	CITY	QUANTITY SHIPPED (TONS)
----	-----	-----	----	-----
1	NJD002454544	MARISOL INC	MIDDLESEX	33,736
2	NJD002156354	GIVAUDAN ROURE CORPORATION	CLIFTON	17,666
3	NJD002385730	EI DUPONT-CHAMBERS WORKS	DEEPWATER	7,618
4	NJD002325074	LENEX CHINA	POMONA	7,616
5	NJD078873270	CO-STEEL SAYREVILLE	SAYREVILLE	5,084
6	NJD002460855	MADISON INDUSTRIES INC	OLD BRIDGE	4,285
7	NJD011246337	HULS AMERICA INC	ELIZABETH	3,965
8	NJD002365930	SHIELDALLOY METALLURGICAL CORP	NEWFIELD	3,781
9	NJD986571016	USEPA-REGION II	FRANKLIN	3,543
10	NJD002194843	INTERNATIONAL FLAVORS AND FRAGRANCES	UNION BEACH	3,070
11	NJD002146504	ISP VAN DYK INC	BELLEVILLE	2,982
12	NJD986570992	USEPA REGION II	FRANKLIN	2,569
13	NJD980772370	BEST FOODS/MUELLER	JERSEY CITY	2,061
14	NJD981080401	CHEM-FLEUR INTERNATIONAL	NEWARK	1,932
15	NJD001317601	SCHERING CORPORATION	UNION	1,596
16	NJD001213727	GANES CHEMICALS INC	CARLSTADT	1,565
17	NJD053101085	MOBIL CHEMICAL CO CHEMICAL PRODUCTS DIV	EDISON	1,516
18	NJD986647345	SIMMONDS PRECISION FACILITY	CHESTER	1,515
19	NJD002011294	STEPAN COMPANY	MAYWOOD	1,386
20	NJD091398081	TRANSFER PRINT FOILS INC	EAST BRUNSWICK	1,359
21	NJD042896738	SMITHKLINE BEECHAM PHARMACEUTICALS	PISCATAWAY	1,357
22	NJD002191211	HOFFMANN-LA ROCHE INC	NUTLEY	1,310
23	NJD002457273	CAMPBELL FOUNDRY COMPANY	HARRISON	1,307
24	NJD000768093	SAFETY KLEEN CORP	NEWARK	1,221
25	NJD002165140	THE PALNUT COMPANY	MOUNTAINSIDE	1,220
26	NJT350010112	PERMACEL	NORTH BRUNSWICK	1,065
27	NJD986645232	PORT AUTHORITY OF NY & NJ	PERTH AMBOY	1,051
28	NJD079323044	HOECHST CELANESE CORP	NEWARK	957
29	NJD000768101	SAFETY KLEEN CORP	SOUTHAMPTON	946
30	NJD001700707	SOLUTIA INC	BRIDGEPORT	945
31	NJD990753162	COASTAL EAGLE POINT OIL COMPANY	WESTVILLE	825
32	NJD001519107	HOEGANAES CORPORATION	RIVERTON	802
33	NJD000692905	EXXON CHEMICAL AMERICAS-BAYWAY	LINDEN	800
34	NJD986588366	SHELL SERVICE STATION	HASBROUCK HEIGHTS	790
35	NJD020783304	FRAGRANCE RESOURCES INC	KEYPORT	757
36	NJD002147023	NOVARTIS PHARMECEUTICALS CORPORATION	EAST HANOVER	749
37	NJD002152205	THE OKONITE COMPANY	NORTH BRUNSWICK	725
38	NJD002186690	GENERAL MOTORS CORPORATION	LINDEN	668
39	NJD002157030	SHERWIN-WILLIAMS DBA CON-LUX COATINGS	EDISON	658
40	NJD002139228	COURTAULDS COATINGS INC	UNION	631
41	NJD002352607	WILMAD GLASS	BUENA	607
42	NJD053514428	E.C.D. INC	HILLSIDE	604
43	NJD003000049	BASF CORPORATION	WASHINGTON	595
44	NJD002190627	COOKSON PIGMENTS INC	NEWARK	592
45	NJR000020560	ORION ELIZABETH NEW JERSEY	ELIZABETH	576
46	NJD000768077	SAFETY KLEEN CORP	BOUND BROOK	571
47	NJD001572999	ITT MARLOW	MIDLAND PARK	568
48	NJD002143782	FORD MOTOR CO EDISON ASSEMBLY PLANT	EDISON	534
49	NJD002334795	COOK COMPOSITES & POLYMERS CO	PENNSAUKEN	512
50	NJD002347565	US PIPE & FOUNDRY CO	BURLINGTON	490
TOTAL				133,275

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY SHIPPERS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NEW JERSEY

1997 WASTE RECEIPTS

15 NUMBER OF RCRA HAZARDOUS WASTE RECEIVERS: 9

16 QUANTITY OF RCRA HAZARDOUS WASTE RECEIVED: 46,148 TONS

17 FIFTY LARGEST RCRA HAZARDOUS WASTE RECEIVERS, 1997

RANK	EPA ID	SITE NAME	CITY	QUANTITY RECEIVED (TONS)
----	-----	-----	----	-----
1	NJD002454544	MARISOL INC	MIDDLESEX	43,357
2	NJD000768093	SAFETY KLEEN CORP	NEWARK	826
3	NJD000768101	SAFETY KLEEN CORP	SOUTHAMPTON	727
4	NJD002385730	EI DUPONT-CHAMBERS WORKS	DEEPWATER	546
5	NJD000768077	SAFETY KLEEN CORP	BOUND BROOK	387
6	NJD982270506	SAFETY KLEEN CORP	SOUTH PLAINFIELD	263
7	NJD049874415	KENDALL/BETHAM	MIDDLESEX	36
8	NJD000582387	RUTGERS UNIVERSITY	PISCATAWAY	5
9	NJD006980924	BELL LABORATORIES	MURRAY HILL	1

TOTAL				46,148
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NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY FACILITIES THAT RECEIVED WASTE.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NEW JERSEY

1997 WASTE RECEIPTS, CONTINUED

18 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY MANAGEMENT METHOD,
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
SOLVENTS RECOVERY	M021-M029	3,563	8.1	1	33.3
OTHER RECOVERY	M031-M039	36	.1	1	33.3
FUEL BLENDING	M061	39,794	90.6	1	33.3
SLUDGE TREATMENT	M101-M109	521	1.2	1	33.3
TOTAL		43,915	100.0	3	

19 MANAGEMENT METHOD, BY QUANTITY OF RCRA HAZARDOUS WASTE MANAGED
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
FUEL BLENDING	M061	39,794	90.6	1	33.3
SOLVENTS RECOVERY	M021-M029	3,563	8.1	1	33.3
SLUDGE TREATMENT	M101-M109	521	1.2	1	33.3
OTHER RECOVERY	M031-M039	36	.1	1	33.3
TOTAL		43,915	100.0	3	

20 MANAGEMENT METHOD AND QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY NUMBER OF FACILITIES,
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
FUEL BLENDING	M061	39,794	90.6	1	33.3
SOLVENTS RECOVERY	M021-M029	3,563	8.1	1	33.3
OTHER RECOVERY	M031-M039	36	.1	1	33.3
SLUDGE TREATMENT	M101-M109	521	1.2	1	33.3
TOTAL		43,915	100.0	3	

NOTE: FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.
COLUMNS MAY NOT SUM DUE TO ROUNDING.
COLUMNS MAY NOT SUM TO TOTAL BECAUSE FACILITIES MAY HAVE MULTIPLE HANDLING METHODS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NEW JERSEY

1997 IMPORTS AND EXPORTS

21 QUANTITY OF RCRA HAZARDOUS WASTE IMPORTED: 21,031 TONS

22 QUANTITY OF RCRA HAZARDOUS WASTE EXPORTED: 110,327 TONS

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

NEW MEXICO

1997 WASTE GENERATION

1 NUMBER OF RCRA LARGE QUANTITY GENERATORS (LQGS): 39

2 QUANTITY OF RCRA HAZARDOUS WASTE GENERATED: 99,474 TONS

3 FIFTY LARGEST RCRA HAZARDOUS WASTE GENERATORS IN THE STATE, 1997

RANK	EPA ID	SITE NAME	CITY	TOTAL GENERATED (TONS)
----	-----	-----	----	-----
1	NMD089416416	GIANT REFINING COMPANY - BLOOMFIELD	BLOOMFIELD	95,061
2	NMD079839908	MI LLC HOBBS NEW MEXICO	HOBBS	1,107
3	NMD000609339	INTEL CORPORATION	RIO RANCHO	1,095
4	NM5890110518	SANDIA NATIONAL LABORATORIES - NM	ALBUQUERQUE	432
5	NMD048918817	NAVAJO REFINING CO	ARTESIA	395
6	NMD0890010515	U.S. DOE LOS ALAMOS NATIONAL LABORATORY	LOS ALAMOS	310
7	NMD000709782	PHILIPS SEMICONDUCTORS	ALBUQUERQUE	268
8	NM6572124422	HOLLOMAN AFB	HOLLOMAN AFB	223
9	NMR000002089	ROSWELL COMPRESSOR STATION	TATUM	72
10	NMD0001001320	NOVABUS INCORPORATED	ROSWELL	68
11	NMD052684578	GE AIRCRAFT ENGINES	ALBUQUERQUE	54
12	NM7572124454	CANNON AIR FORCE BASE NEW MEXICO	CANNON AFB	49
13	NM8800019434	NASA JSC WHITE SANDS TEST FACILITY	LAS CRUCES	46
14	NMD014584296	GENERAL TECHNOLOGY CORPORATION	ALBUQUERQUE	37
15	NMD986676955	COMPRESSOR STATION NO. 9, ROSWELL	ROSWELL, NEW MEXICO	34
16	NMD980621197	UNIVERSITY OF NEW MEXICO - ALBUQUERQUE	ALBUQUERQUE	25
17	NMD360010367	LEA REFINING COMPANY	LOVINGTON	20
18	NMD000610303	HONEYWELL DEFENSE AVIONICS SYSTEMS	ALBUQUERQUE	17
19	NMD075088252	NMSU A-MOUNTAIN STORAGE FACILITY	LAS CRUCES	17
20	NMD000333211	GIANT REFINING COMPANY CINIZA REFINERY	JAMESTOWN	16
21	NMD980622989	ETHICON ENDO-SURGERY, INC.	ALBUQUERQUE	16
22	NM2750211235	WHITE SANDS MISSILE RANGE, NM	WSMR	14
23	NMD035686823	BF GOODRICH AEROSPACE, DATA SYSTEMS	ALBUQUERQUE	14
24	NMD000333559	UNICHEM, A DIVISION OF BJ SERVICES CO	HOBBS	14
25	NM4213720101	USAADACENFB	MCGREGOR RANGE CAMP	13
26	NMD000247791	CHRISTMAS BY KREBS, CORP	ROSWELL	10
27	NM9570024423	KIRTLAND AIR FORCE BASE, KIRTLAND AFB NM	KIRTLAND AFB NM	9
28	NMD089411292	PHELPS DODGE HIDALGO INC.	PLAYAS	6
29	NM6213820974	FORT WINGATE ARMY DEPOT	GALLUP	6
30	NMP360060589	RUSTLER RANCH	PLAYAS	5
31	NMD035806405	PHELPS DODGE TYRONE INC.	TYRONE	5
32	NMD982552945	SP PHARMACEUTICALS LLC	ALBUQUERQUE	5
33	NMD000804088	CONOCO ALBUQUERQUE PRODUCTS TERMINAL	ALBUQUERQUE	3
34	NM4890139088	US DOE WASTE ISOLATION PILOT PLANT	CARLSBAD	3
35	NMD980698849	SAFETY-KLEEN CORP - FARMINGTON, NM	FARMINGTON	3
36	NMR000001271	UNION PACIFIC RAILROAD SANTA ROSA YARD	SANTA ROSA	1
37	NMR000001289	UNION PACIFIC RAILROAD TUCUMCARI YARD	TUCUMCARI YARD	1
38	NMD000562645	SUMITOMO SITIX SILICON INC	ALBUQUERQUE	0
TOTAL				99,474

NOTE: STATE MAY HAVE FEWER THAN FIFTY GENERATORS.
GENERATORS WITH ZERO QUANTITY GENERATED ARE EXCLUDED.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NEW MEXICO

1997 WASTE GENERATION, CONTINUED

4 QUANTITIES OF WASTE GENERATED IN 1997 THAT WERE

- REPORTED WITH ONLY CHARACTERISTIC WASTE CODES
- REPORTED WITH ONLY LISTED WASTE CODES
- REPORTED WITH BOTH CHARACTERISTIC AND LISTED WASTE CODES

WASTE HAS ONLY CHARACTERISTIC CODES	TONS OF WASTE GENERATED	WASTE HAS ONLY LISTED CODES	TONS OF WASTE GENERATED	WASTE HAS BOTH CHARACTERISTIC AND LISTED CODES	TONS OF WASTE GENERATED
ONLY IGNITABLE	146	ONLY AN F CODE	125		
ONLY CORROSIVE	20	ONLY A K CODE	653		
ONLY REACTIVE	2	ONLY A P CODE	0		
ONLY D004-17	1,859	ONLY A U CODE	5		
ONLY D018-43	94,751				
HAS MORE THAN ONE CHARACTERISTIC CODE	373	HAS MORE THAN ONE LISTED CODE	42		
TOTAL	97,150	TOTAL	825	BOTH CHARACTERISTIC & LISTED	1,498

5 QUANTITIES OF WASTE GENERATED IN 1997 THAT WERE MULTIPLY CODED

WASTE HAS ONLY CHARACTERISTIC CODES BUT MORE THAN ONE APPLIES	TONS OF WASTE GENERATED	ONLY LISTED CODES BUT HAS MORE THAN ONE	TONS OF WASTE GENERATED	BOTH CHAR, AND LISTED CODES	TONS OF WASTE GENERATED
HAS IGNITABLE CODE	166			IGN. W/ AT LEAST 1 LSTD	1,425
HAS CORROSIVE CODE	106			CORR. W/ AT LEAST 1 LSTD	1
HAS REACTIVE CODE	40			REACT. W/ AT LEAST 1 LSTD	2
HAS D004-D017 CODE	336			D004-17 W/ AT LEAST 1 LSTD	99
HAS D018-D043 CODE	217			D018-43 W/ AT LEAST 1 LSTD	113
		HAS AN F CODE	1	F WASTE W/ AT LEAST 1 CHAR	1,496
		HAS A K CODE	0	K WASTE W/ AT LEAST 1 CHAR	0
		HAS A P CODE	41	P WASTE W/ AT LEAST 1 CHAR	1
		HAS A U CODE	42	U WASTE W/ AT LEAST 1 CHAR	3
TOTAL	373	TOTAL	42	TOTAL	1,498

NOTE: COLUMNS DO NOT SUM TO TOTAL BECAUSE A WASTE CODE MAY APPLY TO MORE THAN ONE WASTE.
 MIXTURES WITH IGNITABLE, CORROSIVE, REACTIVE, D004-17, AND D018-43 CHARACTERISTIC CODES ALSO MAY
 CONTAIN OTHER CHARACTERISTIC WASTE CODES.
 SIMILARLY, WASTES WITH F,K,P, AND U LISTED CODES MAY HAVE OTHER LISTED WASTE CODES.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

NEW MEXICO

1997 WASTE MANAGEMENT

6 NUMBER OF RCRA TSD FACILITIES: 15

7 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED: 189,509 TONS

8 FIFTY LARGEST RCRA HAZARDOUS WASTE MANAGEMENT FACILITIES, 1997

RANK	EPA ID	SITE NAME	CITY	TONS OF WASTE MANAGED
----	-----	-----	----	-----
1	NMD089416416	GIANT REFINING COMPANY - BLOOMFIELD	BLOOMFIELD	189,490
2	NM0890010515	U.S. DOE LOS ALAMOS NATIONAL LABORATORY	LOS ALAMOS	19
3	NM6213820974	FORT WINGATE ARMY DEPOT	GALLUP	0
TOTAL				189,509

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY FACILITIES THAT MANAGED WASTE.
FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NEW MEXICO

1997 WASTE MANAGEMENT, CONTINUED

9 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY MANAGEMENT METHOD, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
METALS RECOVERY (FOR REUSE)	M011-M019	13	.0	1	33.3
INCINERATION	M041-M049	0	.0	1	33.3
STABILIZATION	M111-M119	5	.0	1	33.3
DEEPWELL / UNDERGROUND INJECTION	M134	189,490	100.0	1	33.3
OTHER DISPOSAL SPECIFIED IN COMMENTS	M137	0	.0	1	33.3
TOTAL		189,509	100.0	3	

10 MANAGEMENT METHOD, BY QUANTITY OF RCRA HAZARDOUS WASTE MANAGED, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
DEEPWELL / UNDERGROUND INJECTION	M134	189,490	100.0	1	33.3
METALS RECOVERY (FOR REUSE)	M011-M019	13	.0	1	33.3
STABILIZATION	M111-M119	5	.0	1	33.3
OTHER DISPOSAL SPECIFIED IN COMMENTS	M137	0	.0	1	33.3
INCINERATION	M041-M049	0	.0	1	33.3
TOTAL		189,509	100.0	3	

11 MANAGEMENT METHOD AND QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY NUMBER OF FACILITIES, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
DEEPWELL / UNDERGROUND INJECTION	M134	189,490	100.0	1	33.3
OTHER DISPOSAL SPECIFIED IN COMMENTS	M137	0	.0	1	33.3
METALS RECOVERY (FOR REUSE)	M011-M019	13	.0	1	33.3
INCINERATION	M041-M049	0	.0	1	33.3
STABILIZATION	M111-M119	5	.0	1	33.3
TOTAL		189,509	100.0	3	

NOTE: FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.
COLUMNS MAY NOT SUM DUE TO ROUNDING.
COLUMNS MAY NOT SUM TO TOTAL BECAUSE FACILITIES MAY HAVE MULTIPLE HANDLING METHODS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

NEW MEXICO

1997 WASTE SHIPMENTS

12 NUMBER OF RCRA HAZARDOUS WASTE SHIPPERS: 39

13 QUANTITY OF RCRA HAZARDOUS WASTE SHIPPED: 5,637 TONS

14 FIFTY LARGEST RCRA HAZARDOUS WASTE SHIPPERS, 1997

RANK	EPA ID	SITE NAME	CITY	QUANTITY SHIPPED (TONS)
----	-----	-----	----	-----
1	NMD079839908	MI LLC HOBBS NEW MEXICO	HOBBS	1,107
2	NMD000609339	INTEL CORPORATION	RIO RANCHO	1,095
3	NMD048918817	NAVAJO REFINING CO	ARTESIA	829
4	NMD000804294	SAFETY-KLEEN CORP - ALBUQUERQUE, NM	ALBUQUERQUE	428
5	NM5890110518	SANDIA NATIONAL LABORATORIES - NM	ALBUQUERQUE	417
6	NMD089416416	GIANT REFINING COMPANY - BLOOMFIELD	BLOOMFIELD	316
7	NMD000709782	PHILIPS SEMICONDUCTORS	ALBUQUERQUE	268
8	NM0890010515	U.S. DOE LOS ALAMOS NATIONAL LABORATORY	LOS ALAMOS	220
9	NM6572124422	HOLLOMAN AFB	HOLLOMAN AFB	195
10	NMD980698849	SAFETY-KLEEN CORP - FARMINGTON, NM	FARMINGTON	180
11	NMR000002089	ROSWELL COMPRESSOR STATION	TATUM	72
12	NM0001001320	NOVABUS INCORPORATED	ROSWELL	68
13	NMD052684578	GE AIRCRAFT ENGINES	ALBUQUERQUE	55
14	NM7572124454	CANNON AIR FORCE BASE NEW MEXICO	CANNON AFB	49
15	NM8800019434	NASA JSC WHITE SANDS TEST FACILITY	LAS CRUCES	46
16	NMD014584296	GENERAL TECHNOLOGY CORPORATION	ALBUQUERQUE	36
17	NMD986676955	COMPRESSOR STATION NO. 9, ROSWELL	ROSWELL, NEW MEXICO	34
18	NMD980621197	UNIVERSITY OF NEW MEXICO - ALBUQUERQUE	ALBUQUERQUE	25
19	NMD360010367	LEA REFINING COMPANY	LOVINGTON	20
20	NMD000610303	HONEYWELL DEFENSE AVIONICS SYSTEMS	ALBUQUERQUE	17
21	NMD075088252	NMSU A-MOUNTAIN STORAGE FACILITY	LAS CRUCES	17
22	NMD000333211	GIANT REFINING COMPANY CINIZA REFINERY	JAMESTOWN	17
23	NMD980622989	ETHICON ENDO-SURGERY, INC.	ALBUQUERQUE	16
24	NMD035686823	BF GOODRICH AEROSPACE, DATA SYSTEMS	ALBUQUERQUE	14
25	NM2750211235	WHITE SANDS MISSILE RANGE, NM	WSMR	14
26	NM4213720101	USAADACENFB	MCGREGOR RANGE CAMP	13
27	NMD000333559	UNICHEM, A DIVISION OF BJ SERVICES CO	HOBBS	13
28	NMD000247791	CHRISTMAS BY KREBS, CORP	ROSWELL	10
29	NM9570024423	KIRTLAND AIR FORCE BASE, KIRTLAND AFB NM	KIRTLAND AFB NM	9
30	NMD089411292	PHELPS DODGE HIDALGO INC.	PLAYAS	6
31	NM6213820974	FORT WINGATE ARMY DEPOT	GALLUP	6
32	NMP360060589	RUSTLER RANCH	PLAYAS	5
33	NMD035806405	PHELPS DODGE TYRONE INC.	TYRONE	5
34	NMD982552945	SP PHARMACEUTICALS LLC	ALBUQUERQUE	5
35	NM4890139088	US DOE WASTE ISOLATION PILOT PLANT	CARLSBAD	4
36	NMD000804088	CONOCO ALBUQUERQUE PRODUCTS TERMINAL	ALBUQUERQUE	3
37	NMR000001271	UNION PACIFIC RAILROAD SANTA ROSA YARD	SANTA ROSA	1
38	NMR000001289	UNION PACIFIC RAILROAD TUCUMCARI YARD	TUCUMCARI YARD	1
39	NMD000562645	SUMITOMO SITIX SILICON INC	ALBUQUERQUE	0
TOTAL				5,637

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY SHIPPERS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NEW MEXICO

1997 WASTE RECEIPTS

15 NUMBER OF RCRA HAZARDOUS WASTE RECEIVERS: 2

16 QUANTITY OF RCRA HAZARDOUS WASTE RECEIVED: 2 TONS

17 FIFTY LARGEST RCRA HAZARDOUS WASTE RECEIVERS, 1997

RANK	EPA ID	SITE NAME	CITY	QUANTITY RECEIVED (TONS)
----	-----	-----	----	-----
1	NM0890010515	U.S. DOE LOS ALAMOS NATIONAL LABORATORY	LOS ALAMOS	1
2	NM5890110518	SANDIA NATIONAL LABORATORIES - NM	ALBUQUERQUE	1
TOTAL				2

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY FACILITIES THAT RECEIVED WASTE.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NEW MEXICO

1997 WASTE RECEIPTS, CONTINUED

TABLES 18, 19 AND 20 HAVE BEEN OMITTED FROM THIS REPORT BECAUSE THERE WERE NO FACILITIES IN NEW MEXICO THAT REPORTED RECEIVING RCRA HAZARDOUS WASTE FROM OFFSITE IN 1997 OTHER THAN STORAGE ONLY FACILITIES.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NEW MEXICO

1997 IMPORTS AND EXPORTS

21 QUANTITY OF RCRA HAZARDOUS WASTE IMPORTED: 0 TONS

22 QUANTITY OF RCRA HAZARDOUS WASTE EXPORTED: 5,554 TONS

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

NEW YORK

1997 WASTE GENERATION

1 NUMBER OF RCRA LARGE QUANTITY GENERATORS (LQGS): 2,772

2 QUANTITY OF RCRA HAZARDOUS WASTE GENERATED: 419,899 TONS

3 FIFTY LARGEST RCRA HAZARDOUS WASTE GENERATORS IN THE STATE, 1997

RANK	EPA ID	SITE NAME	CITY	TOTAL GENERATED (TONS)
1	NYD049836679	CWM CHEMICAL SERVICES, L.L.C.	MODEL CITY	73,675
2	NYD002070118	SCHENECTADY INTERNATIONAL INC	ROTTERDAM JUNCTION	47,171
3	NYD002232304	ALUMINUM COMPANY OF AMERICA	MASSENA	39,259
4	NYD002080034	GENERAL ELECTRIC CO	WATERFORD	36,828
5	NYD980592497	EASTMAN KODAK COMPANY	ROCHESTER	35,040
6	NYD980535116	CITY OF ROCHESTER POLICE AND FIRE ACDY	ROCHESTER	19,704
7	NYD030485288	REVERE SMELTING & REFINING CORPORATION	MIDDLETOWN	13,956
8	NYD000824482	OCCIDENTAL CHEMICAL CORP	NIAGARA FALLS	9,005
9	NYD002075620	FLOMATIC CORPORATION	NORTH HOOSICK	7,010
10	NYD010783967	BUCKBEE-MEARS CORTLAND	CORTLAND	6,810
11	NYD066832023	GENERAL ELECTRIC CO-PLASTICS	SELKIRK	6,642
12	NYD066785650	AUBURN STEEL CO. INC.	AUBURN	6,478
13	NYD980780928	VANDERHORST CHEM/NYSDEC/REMEDIAL SITE	OLEAN	6,058
14	NYD002245967	REYNOLDS METALS CO ST LAWRENCE RED PLANT	MASSENA	3,993
15	NYD002047967	NORTHROP GRUMMAN CORPORATION	BETHPAGE	3,299
16	NYD002014595	NEPERA INC	HARRIMAN	3,118
17	NYD054065909	LEDERLE LABS AMERICAN CYANAMID CO	PEARL RIVER	3,109
18	NYD001223338	STAR NEWCO	MOUNTAINVILLE	2,949
19	NYD002233039	INTERNATIONAL BUSINESS MACHINES	ENDICOTT	2,871
20	NYD000707901	IBM CORPORATION	HOPEWELL JUNCTION	2,786
21	NYP003602216	NYSDEC/SPILL	HORNELL	2,600
22	NYD002220804	OLIN CORP	ROCHESTER	2,247
23	NYD981138605	FUJISAWA USA INC	GRAND ISLAND	2,030
24	NY0000055384	PFIZER INC	BROOKLYN	1,972
25	NYD000706218	CON ED - THIRD AVENUE SERVICE CENTER	BROOKLYN	1,819
26	NYD980531263	NYS ELECTRIC & GAS	WATERVILLE	1,632
27	NYD002215226	ITT AUTOMOTIVE - ESI	ROCHESTER	1,594
28	NYD980532196	BROOKLYN UNION GAS	BROOKLYN	1,565
29	NYD987010964	CON ED-FARRINGTON REGULATING STATION	FLUSHING	1,542
30	NYD000824425	CORNING INC-FALL BROOK PLANT	CORNING	1,533
31	NY6890008992	US DOE/KNOLLS ATOMIC POWER LABORATORY	NISKAYUNA	1,488
32	NYD982177743	CON ED - WEST 28TH STREET SERVICE CTR	NEW YORK	1,473
33	NYD980531396	NYS ELECTRIC & GAS	NORWICH	1,414
34	NYD041848334	KEYWELL L.L.C. VAC AIR DIVISION	FREWSBURG	1,386
35	NYR000010363	NYC DEPT OF TRANS	NEW YORK	1,375
36	NYD137976247	CON ED - HELLGATE STATION & SUBSTATION	BRONX	1,319
37	NYD002230902	BRISTOL-MYERS SQUIBB COMPANY	EAST SYRACUSE	1,289
38	NYD080480734	INTERNATIONAL BUSINESS MACHINES	POUGHKEEPSIE	1,188
39	NYD057770109	NORTHEAST ENVIRONMENTAL SERVICES INC	WAMPSVILLE	1,111
40	NYD002050110	GENZALE PLATING SITE	FRANKLIN SQUARE	1,101
41	NYD175773779	VANCHEM INC	LOCKPORT	1,064
42	NYD002211324	XEROX CORPORATION	WEBSTER	1,058
43	NYR000024562	NYS DEPT OF TRANSPORTATION	STATEN ISLAND	1,000
44	NYD080460215	OAK-MITSUI INC	HOOSICK FALLS	939
45	NYD981484785	TOSHIBA DISPLAY DEVICES, INC.	HORSEHEADS	921
46	NYD096920483	PHOTOCIRCUITS CORPORATION	GLEN COVE	865
47	NYD002221919	JMT PROPERTIES/GENERAL ELECTRIC COMPANY	BROOKPORT	783
48	NYD083626077	NYCOMED INC.	RENSSELAER	732
49	NYD987026135	PORT AUTHORITY OF NY & NJ	STATEN ISLAND	720
50	NYD003907367	WITCO CORPORATION	BROOKLYN	715

TOTAL

370,237

NOTE: STATE MAY HAVE FEWER THAN FIFTY GENERATORS.
GENERATORS WITH ZERO QUANTITY GENERATED ARE EXCLUDED.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NEW YORK

1997 WASTE GENERATION, CONTINUED

4 QUANTITIES OF WASTE GENERATED IN 1997 THAT WERE

- REPORTED WITH ONLY CHARACTERISTIC WASTE CODES
- REPORTED WITH ONLY LISTED WASTE CODES
- REPORTED WITH BOTH CHARACTERISTIC AND LISTED WASTE CODES

WASTE HAS ONLY CHARACTERISTIC CODES	TONS OF WASTE GENERATED	WASTE HAS ONLY LISTED CODES	TONS OF WASTE GENERATED	WASTE HAS BOTH CHARACTERISTIC AND LISTED CODES	TONS OF WASTE GENERATED
ONLY IGNITABLE	11,247	ONLY AN F CODE	55,998		
ONLY CORROSIVE	1,031	ONLY A K CODE	16,855		
ONLY REACTIVE	235	ONLY A P CODE	219		
ONLY D004-17	68,685	ONLY A U CODE	2,143		
ONLY D018-43	59,676				
HAS MORE THAN ONE CHARACTERISTIC CODE	12,342	HAS MORE THAN ONE LISTED CODE	45,875		
TOTAL	153,217	TOTAL	121,089	BOTH CHARACTERISTIC & LISTED	145,523

5 QUANTITIES OF WASTE GENERATED IN 1997 THAT WERE MULTIPLY CODED

WASTE HAS ONLY CHARACTERISTIC CODES BUT MORE THAN ONE APPLIES	TONS OF WASTE GENERATED	ONLY LISTED CODES BUT HAS MORE THAN ONE	TONS OF WASTE GENERATED	BOTH CHAR, AND LISTED CODES	TONS OF WASTE GENERATED
HAS IGNITABLE CODE	6,016			IGN. W/ AT LEAST 1 LSTD	63,470
HAS CORROSIVE CODE	7,621			CORR. W/ AT LEAST 1 LSTD	28,780
HAS REACTIVE CODE	1,055			REACT. W/ AT LEAST 1 LSTD	3,246
HAS D004-D017 CODE	8,287			D004-17 W/ AT LEAST 1 LSTD	98,530
HAS D018-D043 CODE	3,441			D018-43 W/ AT LEAST 1 LSTD	47,993
		HAS AN F CODE	45,835	F WASTE W/ AT LEAST 1 CHAR	142,543
		HAS A K CODE	35,587	K WASTE W/ AT LEAST 1 CHAR	70,859
		HAS A P CODE	10,115	P WASTE W/ AT LEAST 1 CHAR	71,912
		HAS A U CODE	9,817	U WASTE W/ AT LEAST 1 CHAR	93,770
TOTAL	12,342	TOTAL	45,875	TOTAL	145,523

NOTE: COLUMNS DO NOT SUM TO TOTAL BECAUSE A WASTE CODE MAY APPLY TO MORE THAN ONE WASTE.
 MIXTURES WITH IGNITABLE, CORROSIVE, REACTIVE, D004-17, AND D018-43 CHARACTERISTIC CODES ALSO MAY
 CONTAIN OTHER CHARACTERISTIC WASTE CODES.
 SIMILARLY, WASTES WITH F,K,P, AND U LISTED CODES MAY HAVE OTHER LISTED WASTE CODES.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

NEW YORK

1997 WASTE MANAGEMENT

6 NUMBER OF RCRA TSD FACILITIES: 73

7 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED: 411,616 TONS

8 FIFTY LARGEST RCRA HAZARDOUS WASTE MANAGEMENT FACILITIES, 1997

RANK	EPA ID	SITE NAME	CITY	TONS OF WASTE MANAGED
----	-----	-----	----	-----
1	NYD049836679	CWM CHEMICAL SERVICES, L.L.C.	MODEL CITY	169,947
2	NYD030485288	REVERE SMELTING & REFINING CORPORATION	MIDDLETOWN	134,210
3	NYD002080034	GENERAL ELECTRIC CO	WATERFORD	35,611
4	NYD980592497	EASTMAN KODAK COMPANY	ROCHESTER	32,259
5	NYD080469935	NORLITE CORPORATION	COHOES	22,104
6	NYD066832023	GENERAL ELECTRIC CO-PLASTICS	SELKIRK	6,212
7	NYD000824482	OCCIDENTAL CHEMICAL CORP	NIAGARA FALLS	3,099
8	NYD002014595	NEPERA INC	HARRIMAN	2,742
9	NYD002070118	SCHENECTADY INTERNATIONAL INC	ROTTERDAM JUNCTION	2,049
10	NYD054065909	LEDERLE LABS AMERICAN CYANAMID CO	PEARL RIVER	1,551
11	NYD057770109	NORTHEAST ENVIRONMENTAL SERVICES INC	WAMPSVILLE	743
12	NYD980779540	US DEPT. OF ENERGY	WEST VALLEY	576
13	NYD048148175	MERCURY REFINING COMPANY, INC.	ALBANY	416
14	NYD000632372	LAIDLAW ENVIRONMENTAL SERVICES INC	CLARENCE	39
15	NYD091894899	TEXACO INC. FUELS & LUBRICANTS	GLENHAM	25
16	NYD002211324	XEROX CORPORATION	WEBSTER	14
17	NYD057722258	PRIDE SOLVENTS & CHEMICAL CO INC	WEST BABYLON	13
18	NY5890008993	USDOE KNOLLS ATOMIC POWER LABORATORY	BALLSTON SPA	4
19	NYD002240638	REMINGTON ARMS CO. INC.	ILION	2
20	NYD002218436	ELF ATOCHEM NORTH AMERICA INC	PIFFARD	0
21	NY7890008975	BROOKHAVEN NATIONAL LABORATORY	UPTON	0
TOTAL				411,616

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY FACILITIES THAT MANAGED WASTE.
FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NEW YORK

1997 WASTE MANAGEMENT, CONTINUED

9 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY MANAGEMENT METHOD, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
METALS RECOVERY (FOR REUSE)	M011-M019	126,245	30.7	4	19.0
SOLVENTS RECOVERY	M021-M029	1,809	.4	5	23.8
OTHER RECOVERY	M031-M039	4	.0	2	9.5
INCINERATION	M041-M049	52,066	12.6	8	38.1
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	30,050	7.3	4	19.0
FUEL BLENDING	M061	1,348	.3	2	9.5
STABILIZATION	M111-M119	94,827	23.0	4	19.0
LANDFILL	M132	105,268	25.6	3	14.3
TOTAL		411,616	100.0	21	

10 MANAGEMENT METHOD, BY QUANTITY OF RCRA HAZARDOUS WASTE MANAGED, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
METALS RECOVERY (FOR REUSE)	M011-M019	126,245	30.7	4	19.0
LANDFILL	M132	105,268	25.6	3	14.3
STABILIZATION	M111-M119	94,827	23.0	4	19.0
INCINERATION	M041-M049	52,066	12.6	8	38.1
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	30,050	7.3	4	19.0
SOLVENTS RECOVERY	M021-M029	1,809	.4	5	23.8
FUEL BLENDING	M061	1,348	.3	2	9.5
OTHER RECOVERY	M031-M039	4	.0	2	9.5
TOTAL		411,616	100.0	21	

11 MANAGEMENT METHOD AND QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY NUMBER OF FACILITIES, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
INCINERATION	M041-M049	52,066	12.6	8	38.1
SOLVENTS RECOVERY	M021-M029	1,809	.4	5	23.8
METALS RECOVERY (FOR REUSE)	M011-M019	126,245	30.7	4	19.0
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	30,050	7.3	4	19.0
STABILIZATION	M111-M119	94,827	23.0	4	19.0
LANDFILL	M132	105,268	25.6	3	14.3
FUEL BLENDING	M061	1,348	.3	2	9.5
OTHER RECOVERY	M031-M039	4	.0	2	9.5
TOTAL		411,616	100.0	21	

NOTE: FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.
COLUMNS MAY NOT SUM DUE TO ROUNDING.
COLUMNS MAY NOT SUM TO TOTAL BECAUSE FACILITIES MAY HAVE MULTIPLE HANDLING METHODS.

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NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

NEW YORK

1997 WASTE SHIPMENTS

12 NUMBER OF RCRA HAZARDOUS WASTE SHIPPERS: 1,856

13 QUANTITY OF RCRA HAZARDOUS WASTE SHIPPED: 221,137 TONS

14 FIFTY LARGEST RCRA HAZARDOUS WASTE SHIPPERS, 1997

RANK	EPA ID	SITE NAME	CITY	QUANTITY SHIPPED (TONS)
----	-----	-----	----	-----
1	NYD002070118	SCHENECTADY INTERNATIONAL INC	ROTTERDAM JUNCTION	45,536
2	NYD000824482	OCCIDENTAL CHEMICAL CORP	NIAGARA FALLS	17,086
3	NYD002075620	FLOMATIC CORPORATION	NORTH HOOSICK	7,010
4	NYD010783967	BUCKBEE-MEARS CORTLAND	CORTLAND	6,809
5	NYD066785650	AUBURN STEEL CO. INC.	AUBURN	6,478
6	NYD980780928	VANDERHORST CHEM/NYSDEC/REMEDIAL SITE	OLEAN	6,058
7	NYD049253719	ASHLAND CHEMICAL	BINGHAMTON	5,814
8	NYD002245967	REYNOLDS METALS CO ST LAWRENCE RED PLANT	MASSENA	3,821
9	NYD049836679	CWM CHEMICAL SERVICES, L.L.C.	MODEL CITY	3,458
10	NYD002047967	NORTHROP GRUMMAN CORPORATION	BETHPAGE	3,299
11	NYD000708198	SAFETY KLEEN CORP	AMITYVILLE	3,293
12	NYD001223338	STAR NEWCO	MOUNTAINVILLE	2,949
13	NYD002233039	INTERNATIONAL BUSINESS MACHINES	ENDICOTT	2,871
14	NYD000707901	IBM CORPORATION	HOPEWELL JUNCTION	2,786
15	NYD057770109	NORTHEAST ENVIRONMENTAL SERVICES INC	WAMPSVILLE	2,749
16	NYD002220804	OLIN CORP	ROCHESTER	2,621
17	NYP003602216	NYSDEC/SPILL	HORNELL	2,600
18	NYD082785429	CHEMICAL POLLUTION CONTROL INC.	BAY SHORE	2,208
19	NYD002232304	ALUMINUM COMPANY OF AMERICA	MASSENA	2,201
20	NYD980535116	CITY OF ROCHESTER POLICE AND FIRE ACDY	ROCHESTER	2,189
21	NYD980592497	EASTMAN KODAK COMPANY	ROCHESTER	2,081
22	NYD981138605	FUJISAWA USA INC	GRAND ISLAND	2,030
23	NY000005384	PFIZER INC	BROOKLYN	1,972
24	NYD000706218	CON ED - THIRD AVENUE SERVICE CENTER	BROOKLYN	1,819
25	NYD980753784	SAFETY KLEEN CORP	AVON	1,673
26	NYD980531263	NYS ELECTRIC & GAS	WATERVILLE	1,632
27	NYD980532196	BROOKLYN UNION GAS	BROOKLYN	1,565
28	NYD054065909	LEDERLE LABS AMERICAN CYANAMID CO	PEARL RIVER	1,549
29	NYD987010964	CON ED-FARRINGTON REGULATING STATION	FLUSHING	1,542
30	NYD000824425	CORNING INC-FALL BROOK PLANT	CORNING	1,533
31	NY6890008992	US DOE/KNOLLS ATOMIC POWER LABORATORY	NISKAYUNA	1,488
32	NYD982177743	CON ED - WEST 28TH STREET SERVICE CTR	NEW YORK	1,473
33	NYD980531396	NYS ELECTRIC & GAS	NORWICH	1,414
34	NYR000010363	NYC DEPT OF TRANS	NEW YORK	1,375
35	NYD041848334	KEYWELL L.L.C. VAC AIR DIVISION	FREWSBURG	1,370
36	NYD137976247	CON ED - HELLGATE STATION & SUBSTATION	BRONX	1,319
37	NYD002230902	BRISTOL-MYERS SQUIBB COMPANY	EAST SYRACUSE	1,289
38	NYD080480734	INTERNATIONAL BUSINESS MACHINES	POUGHKEEPSIE	1,173
39	NYD002050110	GENZALE PLATING SITE	FRANKLIN SQUARE	1,101
40	NYD175773779	VANCHEM INC	LOCKPORT	1,064
41	NYD002211324	XEROX CORPORATION	WEBSTER	1,062
42	NYR000024562	NYS DEPT OF TRANSPORTATION	STATEN ISLAND	1,000
43	NYD981556541	SAFETY KLEEN CORP	LACKAWANNA	997
44	NYD080460215	OAK-MITSUI INC	HOOSICK FALLS	951
45	NYD981484785	TOSHIBA DISPLAY DEVICES, INC.	HORSEHEADS	924
46	NYD096920483	PHOTOCIRCUITS CORPORATION	GLEN COVE	865
47	NYD986872869	SAFETY KLEEN CORP	COHOES	832
48	NYD982743312	SAFETY KLEEN CORP	SYRACUSE	815
49	NYD002221919	JMT PROPERTIES/GENERAL ELECTRIC COMPANY	BROCKPORT	783
50	NYD083626077	NYCOMED INC.	RENSSELAER	732
TOTAL				171,261

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY SHIPPERS.

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NEW YORK

1997 WASTE RECEIPTS

15 NUMBER OF RCRA HAZARDOUS WASTE RECEIVERS: 26

16 QUANTITY OF RCRA HAZARDOUS WASTE RECEIVED: 261,477 TONS

17 FIFTY LARGEST RCRA HAZARDOUS WASTE RECEIVERS, 1997

RANK	EPA ID	SITE NAME	CITY	QUANTITY RECEIVED (TONS)
----	-----	-----	----	-----
1	NYD030485288	REVERE SMELTING & REFINING CORPORATION	MIDDLETOWN	120,954
2	NYD049836679	CWM CHEMICAL SERVICES, L.L.C.	MODEL CITY	98,821
3	NYD080469935	NORLITE CORPORATION	COHOES	22,104
4	NYD049253719	ASHLAND CHEMICAL	BINGHAMTON	5,478
5	NYD082785429	CHEMICAL POLLUTION CONTROL INC.	BAY SHORE	2,898
6	NYD000708198	SAFETY KLEEN CORP	AMITYVILLE	2,620
7	NYD057770109	NORTHEAST ENVIRONMENTAL SERVICES INC	WAMPSVILLE	2,442
8	NYD980753784	SAFETY KLEEN CORP	AVON	1,403
9	NYD077444263	CHEMICAL WASTE DISPOSAL CORP	ASTORIA	947
10	NYD986872869	SAFETY KLEEN CORP	COHOES	610
11	NYD981556541	SAFETY KLEEN CORP	LACKAWANNA	609
12	NYD982743312	SAFETY KLEEN CORP	SYRACUSE	584
13	NYD013277454	SOLVENTS & PETROLEUM SERVICE, INC.	SYRACUSE	450
14	NYD048148175	MERCURY REFINING COMPANY, INC.	ALBANY	393
15	NYD049178296	RADIAC RESEARCH CORP	BROOKLYN	367
16	NYD000824482	OCCIDENTAL CHEMICAL CORP	NIAGARA FALLS	362
17	NYD980592497	EASTMAN KODAK COMPANY	ROCHESTER	251
18	NYD000632372	LAIDLAW ENVIRONMENTAL SERVICES INC	CLARENCE	83
19	NYD045662921	THE NDL ORGANIZATION, INC.	PEEKSKILL	25
20	NYD080336241	CECOS INTERNATIONAL, INC.	NIAGARA FALLS	25
21	NYD000818781	ROCHESTER GAS AND ELECTRIC CORPORATION -	ROCHESTER	21
22	NYD080480734	INTERNATIONAL BUSINESS MACHINES	POUGHKEEPSIE	21
23	NYD002211324	XEROX CORPORATION	WEBSTER	3
24	NYD002047967	NORTHROP GRUMMAN CORPORATION	BETHPAGE	3
25	NYD002070118	SCHENECTADY INTERNATIONAL INC	ROTTERDAM JUNCTION	2
26	NYD000705905	CENTRAL HUDSON GAS & ELECTRIC CORP.	HIGHLAND	1
TOTAL				261,477

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY FACILITIES THAT RECEIVED WASTE.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

NEW YORK

1997 WASTE RECEIPTS, CONTINUED

**18 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY MANAGEMENT METHOD,
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997**

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
-----	-----	-----	-----	-----	-----
METALS RECOVERY (FOR REUSE)	M011-M019	121,346	49.9	4	44.4
INCINERATION	M041-M049	550	.2	5	55.6
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	22,104	9.1	1	11.1
FUEL BLENDING	M061	1,348	.6	2	22.2
STABILIZATION	M111-M119	85,664	35.3	1	11.1
LANDFILL	M132	11,928	4.9	2	22.2
TOTAL		242,940	100.0	9	

**19 MANAGEMENT METHOD, BY QUANTITY OF RCRA HAZARDOUS WASTE MANAGED
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997**

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
-----	-----	-----	-----	-----	-----
METALS RECOVERY (FOR REUSE)	M011-M019	121,346	49.9	4	44.4
STABILIZATION	M111-M119	85,664	35.3	1	11.1
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	22,104	9.1	1	11.1
LANDFILL	M132	11,928	4.9	2	22.2
FUEL BLENDING	M061	1,348	.6	2	22.2
INCINERATION	M041-M049	550	.2	5	55.6
TOTAL		242,940	100.0	9	

**20 MANAGEMENT METHOD AND QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY NUMBER OF FACILITIES,
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997**

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
-----	-----	-----	-----	-----	-----
INCINERATION	M041-M049	550	.2	5	55.6
METALS RECOVERY (FOR REUSE)	M011-M019	121,346	49.9	4	44.4
FUEL BLENDING	M061	1,348	.6	2	22.2
LANDFILL	M132	11,928	4.9	2	22.2
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	22,104	9.1	1	11.1
STABILIZATION	M111-M119	85,664	35.3	1	11.1
TOTAL		242,940	100.0	9	

NOTE: FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.
COLUMNS MAY NOT SUM DUE TO ROUNDING.
COLUMNS MAY NOT SUM TO TOTAL BECAUSE FACILITIES MAY HAVE MULTIPLE HANDLING METHODS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NEW YORK

1997 IMPORTS AND EXPORTS

21	QUANTITY OF RCRA HAZARDOUS WASTE IMPORTED:	106,438 TONS
22	QUANTITY OF RCRA HAZARDOUS WASTE EXPORTED:	180,651 TONS

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

NORTH CAROLINA

1997 WASTE GENERATION

1 NUMBER OF RCRA LARGE QUANTITY GENERATORS (LQGS): 505

2 QUANTITY OF RCRA HAZARDOUS WASTE GENERATED: 66,501 TONS

3 FIFTY LARGEST RCRA HAZARDOUS WASTE GENERATORS IN THE STATE, 1997

RANK	EPA ID	SITE NAME	CITY	TOTAL GENERATED (TONS)
----	-----	-----	----	-----
1	NCD047373766	GLAXO WELLCOME INC.	GREENVILLE	8,543
2	NCD093340487	AMERISTEEL CORPORATION	CHARLOTTE	5,196
3	NCD042091975	MALLINCKRODT CHEMICAL INC	RALEIGH	2,917
4	NCD057454670	OCCIDENTAL CHEMICAL CORPORATION	CASTLE HAYNE	2,656
5	NCD079060059	SAFETY-KLEEN CORP.	CHARLOTTE	2,441
6	NCD121700777	HERITAGE ENVIRONMENTAL SERVICES INC	CHARLOTTE	2,093
7	NCD982077802	TARHEEL WOOD TREATING CO INC	MORRISVILLE	1,585
8	NCD990868168	SUN CHEMICAL CHARLOTTE, NC	CHARLOTTE	1,277
9	NCD003162542	ALUMINUM COMPANY OF AMERICA /BADIN WORKS	BADIN	1,256
10	NCD057037194	GENERAL ELECTRIC COMPANY	MEBANE	1,231
11	NCD003232030	LILLY INDUSTRIES (USA), INC. ENGLISH RD	HIGH POINT	1,110
12	NCD071561864	THE SHERWIN-WILLIAMS CO	GREENSBORO	883
13	NC1170027261	US MCAS CHERRY POINT	CHERRY POINT	860
14	NCD003214319	SHERWIN-WILLIAMS DIVERSIFIED BRANDS	GREENSBORO	804
15	NCD038547519	KEMET ELECTRONICS CORPORATION	SHELBY	651
16	NCD086872082	GENCORP PRINTWORLD	MONROE	650
17	NCD990734055	HOECHST CELANESE POLYSTER	WILMINGTON	647
18	NCD091245498	FREIGHTLINER CORPORATION	MOUNT HOLLY	634
19	NCD047368642	E.I. DUPONT & CO. - FAYETTEVILLE WORKS	FAYETTEVILLE	626
20	NCD018652339	FREIGHTLINER CORP. - CLEVELAND TMP	CLEVELAND	584
21	NCD041466525	AMOCO FABRICS & FIBERS	ROCKY MOUNT	579
22	NCD127257673	TAKEDA CHEMICAL PRODUCTS USA, INC.	WILMINGTON	569
23	NCD001810365	CLARIANT CORP-MT HOLLY EAST	CHARLOTTE	549
24	NCD053491221	LILLY INDUSTRIES (USA), INC. BREVARD RD	HIGH POINT	544
25	NCD041048448	REXAM INC CUSTOM DIVISION	MATTHEWS	541
26	NCD982140329	ENGINEERED CONTROLS INTERNATIONAL INC	WHITSETT	529
27	NCD986166429	FMC CORP/LITHIUM DIV/SO UNIT	BESSEMER CITY	524
28	NCD041415019	VALSPAR COATINGS (HIGH POINT FACILITY)	HIGH POINT	490
29	NCD062567623	HENKEL CORP	CHARLOTTE	460
30	NCD067427922	MOEN INC.	SANFORD	460
31	NCD067441394	RJ REYNOLDS TOBACCO CO	WINSTON SALEM	428
32	NCD024766719	WRIGHT CORPORATION - ACME, NC	RIEGELWOOD	416
33	NCD084170570	BALL-FOSTER GLASS CONTAINER CO., L.L.C.	WILSON	406
34	NCD048467427	CHEMICAL SPECIALTIES INC	HARRISBURG	391
35	NCD067181818	BAYER COPORATION	CLAYTON	390
36	NCD991278680	CHEMCRAFT INTERNATIONAL	WINSTON SALEM	371
37	NCD982114373	KONICA MANUFACTURING U.S.A., INC.	WHITSETT	345
38	NCD006390561	AKZO NOBEL COATINGS INC	HIGH POINT	341
39	NC2690308232	US COAST GUARD SUPPORT CENTER	ELIZABETH CITY	337
40	NCD049774979	AMERICAN NATIONAL CAN	ASHEVILLE	327
41	NCD085083004	DANAHER TOOL GROUP	GASTONIA	327
42	NCD003237963	PROCTER & GAMBLE MFG CO	GREENSBORO	315
43	NCD093137636	GENERAL WOOD PRESERVING COMPANY, INC.	LELAND	275
44	NCD000277293	BROYHILL FURNITURE INDS INC CONOVER	CONOVER	262
45	NCD003215779	PIEDMONT CHEMICAL INDUSTRIES I, LLC	HIGH POINT	253
46	NCD049773245	DETREX CORPORATION	CHARLOTTE	253
47	NCD000623116	NATIONAL STARCH & CHEMICAL CO	SALISBURY	253
48	NCD097363527	WATTS REGULATOR REGTROL/WACASCO	SPINDALE	246
49	NCD067200949	CROFT METALS INC	LUMBER BRIDGE	245
50	NCD045924487	EASCO ALUMINUM	WINTON	239

TOTAL

48,307

NOTE: STATE MAY HAVE FEWER THAN FIFTY GENERATORS.
GENERATORS WITH ZERO QUANTITY GENERATED ARE EXCLUDED.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NORTH CAROLINA

1997 WASTE GENERATION, CONTINUED

4 QUANTITIES OF WASTE GENERATED IN 1997 THAT WERE

- REPORTED WITH ONLY CHARACTERISTIC WASTE CODES
- REPORTED WITH ONLY LISTED WASTE CODES
- REPORTED WITH BOTH CHARACTERISTIC AND LISTED WASTE CODES

WASTE HAS ONLY CHARACTERISTIC CODES	TONS OF WASTE GENERATED	WASTE HAS ONLY LISTED CODES	TONS OF WASTE GENERATED	WASTE HAS BOTH CHARACTERISTIC AND LISTED CODES	TONS OF WASTE GENERATED
ONLY IGNITABLE	4,702	ONLY AN F CODE	9,864		
ONLY CORROSIVE	382	ONLY A K CODE	9,087		
ONLY REACTIVE	79	ONLY A P CODE	19		
ONLY D004-17	6,311	ONLY A U CODE	273		
ONLY D018-43	876				
HAS MORE THAN ONE CHARACTERISTIC CODE	8,108	HAS MORE THAN ONE LISTED CODE	387		
TOTAL	20,457	TOTAL	19,630	BOTH CHARACTERISTIC & LISTED	26,414

5 QUANTITIES OF WASTE GENERATED IN 1997 THAT WERE MULTIPLY CODED

WASTE HAS ONLY CHARACTERISTIC CODES BUT MORE THAN ONE APPLIES	TONS OF WASTE GENERATED	ONLY LISTED CODES BUT HAS MORE THAN ONE	TONS OF WASTE GENERATED	BOTH CHAR, AND LISTED CODES	TONS OF WASTE GENERATED
HAS IGNITABLE CODE	5,019			IGN. W/ AT LEAST 1 LSTD	22,420
HAS CORROSIVE CODE	1,710			CORR. W/ AT LEAST 1 LSTD	382
HAS REACTIVE CODE	894			REACT. W/ AT LEAST 1 LSTD	1,281
HAS D004-D017 CODE	6,123			D004-17 W/ AT LEAST 1 LSTD	3,412
HAS D018-D043 CODE	6,220			D018-43 W/ AT LEAST 1 LSTD	7,652
		HAS AN F CODE	387	F WASTE W/ AT LEAST 1 CHAR	25,893
		HAS A K CODE	269	K WASTE W/ AT LEAST 1 CHAR	93
		HAS A P CODE	1	P WASTE W/ AT LEAST 1 CHAR	171
		HAS A U CODE	119	U WASTE W/ AT LEAST 1 CHAR	302
TOTAL	8,108	TOTAL	387	TOTAL	26,414

NOTE: COLUMNS DO NOT SUM TO TOTAL BECAUSE A WASTE CODE MAY APPLY TO MORE THAN ONE WASTE.
 MIXTURES WITH IGNITABLE, CORROSIVE, REACTIVE, D004-17, AND D018-43 CHARACTERISTIC CODES ALSO MAY
 CONTAIN OTHER CHARACTERISTIC WASTE CODES.
 SIMILARLY, WASTES WITH F,K,P, AND U LISTED CODES MAY HAVE OTHER LISTED WASTE CODES.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

NORTH CAROLINA

1997 WASTE MANAGEMENT

6 NUMBER OF RCRA TSD FACILITIES: 100

7 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED: 15,674 TONS

8 FIFTY LARGEST RCRA HAZARDOUS WASTE MANAGEMENT FACILITIES, 1997

RANK	EPA ID	SITE NAME	CITY	TONS OF WASTE MANAGED
----	-----	-----	----	-----
1	NCD047373766	GLAXO WELLCOME INC.	GREENVILLE	5,954
2	NCD003152642	CAROLINA SOLITE CORPORATION	NORWOOD	5,350
3	NCD042091975	MALLINCKRODT CHEMICAL INC	RALEIGH	2,642
4	NCD049773245	DETREX CORPORATION	CHARLOTTE	532
5	NCD067200949	CROFT METALS INC	LUMBER BRIDGE	404
6	NCD072022726	INTERNATIONAL PAPER CARTON PLANT #24	WILMINGTON	390
7	NCD056750003	FOUNTAIN POWERBOATS INC	WASHINGTON	110
8	NCD038547519	KEMET ELECTRONICS CORPORATION	SHELBY	60
9	NCD066303728	LEA INDUSTRIES	WAYNESVILLE	59
10	NCD047368642	E.I. DUPONT & CO. - FAYETTEVILLE WORKS	FAYETTEVILLE	43
11	NCD067178707	FAWN INDUSTRIES	MIDDLESEX	32
12	NCD980840177	HICKORY CHAIR CO. - WOOD PRODUCTS PLANT	CONOVER	30
13	NCD000830737	NORTH CAROLINA STATE UNIVERSITY	RALEIGH	17
14	NC2750890004	NATL INST OF ENVIRON HEALTH SCIENCES	RTP	16
15	NCD044440642	HICKORY CHAIR CO. - PLANT 7	HICKORY	13
16	NCD065655599	GLAXO WELLCOME INC. - NORTH CAMPUS	RESEARCH TRIANGLE PARK	9
17	NCD053487765	STRATFORD METAL FINISHING INC	WINSTON-SALEM	4
18	NCD980842132	ECOFLO INC	GREENSBORO	4
19	NCD003156940	PNEUMAFIL CORP. - C.R. HARRIS PLAN	CHARLOTTE	3
20	NCD048183768	LABORATORY CORPORATION OF AMERICA	BURLINGTON	1
21	NCD044438406	LITTON SYSTEMS INC CLIFTON PRECISION	MURPHY	1
22	NCD982170292	ENVIROCHEM ENVIRONMENTAL SERVICES, INC.	APEX	0
23	NCD033999764	WALTER KIDDE AEROSPACE	WILSON	0
TOTAL				15,674

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY FACILITIES THAT MANAGED WASTE.
FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NORTH CAROLINA

1997 WASTE MANAGEMENT, CONTINUED

9 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY MANAGEMENT METHOD, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
METALS RECOVERY (FOR REUSE)	M011-M019	61	.4	2	8.7
SOLVENTS RECOVERY	M021-M029	1,217	7.8	12	52.2
INCINERATION	M041-M049	5,979	38.1	4	17.4
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	7,992	51.0	2	8.7
FUEL BLENDING	M061	21	.1	2	8.7
SLUDGE TREATMENT	M101-M109	405	2.6	2	8.7
TOTAL		15,674	100.0	23	

10 MANAGEMENT METHOD, BY QUANTITY OF RCRA HAZARDOUS WASTE MANAGED, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	7,992	51.0	2	8.7
INCINERATION	M041-M049	5,979	38.1	4	17.4
SOLVENTS RECOVERY	M021-M029	1,217	7.8	12	52.2
SLUDGE TREATMENT	M101-M109	405	2.6	2	8.7
METALS RECOVERY (FOR REUSE)	M011-M019	61	.4	2	8.7
FUEL BLENDING	M061	21	.1	2	8.7
TOTAL		15,674	100.0	23	

11 MANAGEMENT METHOD AND QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY NUMBER OF FACILITIES, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
SOLVENTS RECOVERY	M021-M029	1,217	7.8	12	52.2
INCINERATION	M041-M049	5,979	38.1	4	17.4
FUEL BLENDING	M061	21	.1	2	8.7
METALS RECOVERY (FOR REUSE)	M011-M019	61	.4	2	8.7
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	7,992	51.0	2	8.7
SLUDGE TREATMENT	M101-M109	405	2.6	2	8.7
TOTAL		15,674	100.0	23	

NOTE: FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.
COLUMNS MAY NOT SUM DUE TO ROUNDING.
COLUMNS MAY NOT SUM TO TOTAL BECAUSE FACILITIES MAY HAVE MULTIPLE HANDLING METHODS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

NORTH CAROLINA

1997 WASTE SHIPMENTS

12 NUMBER OF RCRA HAZARDOUS WASTE SHIPPERS: 494

13 QUANTITY OF RCRA HAZARDOUS WASTE SHIPPED: 75,758 TONS

14 FIFTY LARGEST RCRA HAZARDOUS WASTE SHIPPERS, 1997

RANK	EPA ID	SITE NAME	CITY	QUANTITY SHIPPED (TONS)
----	-----	-----	----	-----
1	NCD061263315	ASHLAND CHEMICAL COMPANY-CHARLOTTE, N.C.	CHARLOTTE	7,682
2	NCD980842132	ECOFLO INC	GREENSBORO	6,666
3	NCD000773655	OLDOVER CORPORATION - NORWOOD, NC	NOWOOD	5,836
4	NCD093340487	AMERISTEEL CORPORATION	CHARLOTTE	5,119
5	NCD121700777	HERITAGE ENVIRONMENTAL SERVICES INC	CHARLOTTE	3,001
6	NCD057454670	OCCIDENTAL CHEMICAL CORPORATION	CASTLE HAYNE	2,656
7	NCD077840148	SAFETY-KLEEN CORP.	ARCHDALE	2,324
8	NCD079060059	SAFETY-KLEEN CORP.	CHARLOTTE	1,574
9	NCD000776740	SAFETY-KLEEN CORP.	RALEIGH	1,569
10	NCD003162542	ALUMINUM COMPANY OF AMERICA /BADIN WORKS	BADIN	1,297
11	NCD057037194	GENERAL ELECTRIC COMPANY	MEBANE	1,230
12	NCD990868168	SUN CHEMICAL CHARLOTTE, NC	CHARLOTTE	1,012
13	NCD980846935	SAFETY-KLEEN CORP.	ST. PAUL	944
14	NCD071561864	THE SHERWIN-WILLIAMS CO	GREENSBORO	883
15	NC1170027261	US MCAS CHERRY POINT	CHERRY POINT	847
16	NCD003214319	SHERWIN-WILLIAMS DIVERSIFIED BRANDS	GREENSBORO	804
17	NCD047373766	GLAXO WELLCOME INC.	GREENVILLE	656
18	NCD038547519	KEMET ELECTRONICS CORPORATION	SHELBY	651
19	NCD990734055	HOECHST CELANESE POLYSTER	WILMINGTON	645
20	NCD047368642	E.I. DUPONT & CO. - FAYETTEVILLE WORKS	FAYETTEVILLE	587
21	NCD041466525	AMOCO FABRICS & FIBERS	ROCKY MOUNT	579
22	NCD127257673	TAKEDA CHEMICAL PRODUCTS USA, INC.	WILMINGTON	569
23	NCD041048448	REXAM INC CUSTOM DIVISION	MATTHEWS	551
24	NCD001810365	CLARIANT CORP-MT HOLLY EAST	CHARLOTTE	549
25	NCD986166429	FMC CORP/LITHIUM DIV/SO UNIT	BESSEMER CITY	524
26	NCD982140329	ENGINEERED CONTROLS INTERNATIONAL INC	WHITSETT	518
27	NCD041415019	VALSPAR COATINGS (HIGH POINT FACILITY)	HIGH POINT	490
28	NCD062567623	HENKEL CORP	CHARLOTTE	459
29	NCD086872082	GENCORP PRINTWORLD	MONROE	458
30	NCD067427922	MOEN INC.	SANFORD	457
31	NCD067441394	RJ REYNOLDS TOBACCO CO	WINSTON SALEM	428
32	NCD053491221	LILLY INDUSTRIES (USA), INC. BREVARD RD	HIGH POINT	420
33	NCD024766719	WRIGHT CORPORATION - ACME, NC	RIEGELWOOD	416
34	NCD048467427	CHEMICAL SPECIALTIES INC	HARRISBURG	416
35	NCD084170570	BALL-FOSTER GLASS CONTAINER CO., L.L.C.	WILSON	406
36	NCD018652339	FREIGHTLINER CORP. - CLEVELAND TMP	CLEVELAND	405
37	NCD067181818	BAYER COPORATION	CLAYTON	390
38	NCD003232030	LILLY INDUSTRIES (USA), INC. ENGLISH RD	HIGH POINT	386
39	NCD085083004	DANAHER TOOL GROUP	GASTONIA	376
40	NCD091245498	FREIGHTLINER CORPORATION	MOUNT HOLLY	374
41	NCD006390561	AKZO NOBEL COATINGS INC	HIGH POINT	374
42	NCD991278680	CHEMCRAFT INTERNATIONAL	WINSTON SALEM	371
43	NCD982114373	KONICA MANUFACTURING U.S.A., INC.	WHITSETT	347
44	NC2690308232	US COAST GUARD SUPPORT CENTER	ELIZABETH CITY	335
45	NCD003237963	PROCTER & GAMBLE MFG CO	GREENSBORO	315
46	NCD093137636	GENERAL WOOD PRESERVING COMPANY, INC.	LELAND	275
47	NCD003215779	PIEDMONT CHEMICAL INDUSTRIES I, LLC	HIGH POINT	259
48	NCD982092041	GRAPHIC PACKAGING	CHARLOTTE	259
49	NCD049773245	DETREX CORPORATION	CHARLOTTE	253
50	NCD000623116	NATIONAL STARCH & CHEMICAL CO	SALISBURY	253

TOTAL

58,192

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY SHIPPERS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NORTH CAROLINA

1997 WASTE RECEIPTS

15 NUMBER OF RCRA HAZARDOUS WASTE RECEIVERS: 15

16 QUANTITY OF RCRA HAZARDOUS WASTE RECEIVED: 26,357 TONS

17 FIFTY LARGEST RCRA HAZARDOUS WASTE RECEIVERS, 1997

RANK	EPA ID	SITE NAME	CITY	QUANTITY RECEIVED (TONS)
----	-----	-----	----	-----
1	NCD000648451	LAIDLAW ENVIRONMENTAL SERVICES (TS), INC	REIDSVILLE	7,375
2	NCD003152642	CAROLINA SOLITE CORPORATION	NORWOOD	5,350
3	NCD000773655	OLDOVER CORPORATION - NORWOOD, NC	NOWOOD	4,938
4	NCD980842132	ECOFLO INC	GREENSBORO	4,015
5	NCD061263315	ASHLAND CHEMICAL COMPANY-CHARLOTTE, N.C.	CHARLOTTE	3,353
6	NCD049773245	DETREX CORPORATION	CHARLOTTE	532
7	NCD982170292	ENVIROCHEM ENVIRONMENTAL SERVICES, INC.	APEX	526
8	NCD052547635	GLAXO WELLCOME INC. - SOUTH CAMPUS	RESEARCH TRIANGLE PARK	66
9	NCD047373766	GLAXO WELLCOME INC.	GREENVILLE	55
10	NCD000771964	FMC CORP/LITHIUM DIV	BESSEMER CITY	41
11	NCD982093783	UNIV. NORTH CAROLINA AT CHAPEL HILL	CHAPEL HILL	40
12	NC8210020121	XVIII AIRBORNE CORP AND FORT BRAGG	FORT BRAGG	37
13	NC6170022580	US MARINE CORP CAMP LEJEUNE	CAMP LEJEUNE	15
14	NCD065655599	GLAXO WELLCOME INC. - NORTH CAMPUS	RESEARCH TRIANGLE PARK	9
15	NCD000830737	NORTH CAROLINA STATE UNIVERSITY	RALEIGH	6
TOTAL				26,357

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY FACILITIES THAT RECEIVED WASTE.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

NORTH CAROLINA

1997 WASTE RECEIPTS, CONTINUED

**18 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY MANAGEMENT METHOD,
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997**

MANAGEMENT METHOD -----	SYSTEM TYPE CODE -----	QUANTITY MANAGED (TONS) -----	PERCENTAGE OF QUANTITY -----	NUMBER OF FACILITIES -----	PERCENTAGE OF FACILITIES -----
METALS RECOVERY (FOR REUSE)	M011-M019	0	.0	1	14.3
SOLVENTS RECOVERY	M021-M029	532	8.9	1	14.3
INCINERATION	M041-M049	59	1.0	2	28.6
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	5,350	90.0	1	14.3
FUEL BLENDING	M061	4	.1	2	28.6
TOTAL		5,945	100.0	7	

**19 MANAGEMENT METHOD, BY QUANTITY OF RCRA HAZARDOUS WASTE MANAGED
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997**

MANAGEMENT METHOD -----	SYSTEM TYPE CODE -----	QUANTITY MANAGED (TONS) -----	PERCENTAGE OF QUANTITY -----	NUMBER OF FACILITIES -----	PERCENTAGE OF FACILITIES -----
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	5,350	90.0	1	14.3
SOLVENTS RECOVERY	M021-M029	532	8.9	1	14.3
INCINERATION	M041-M049	59	1.0	2	28.6
FUEL BLENDING	M061	4	.1	2	28.6
METALS RECOVERY (FOR REUSE)	M011-M019	0	.0	1	14.3
TOTAL		5,945	100.0	7	

**20 MANAGEMENT METHOD AND QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY NUMBER OF FACILITIES,
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997**

MANAGEMENT METHOD -----	SYSTEM TYPE CODE -----	QUANTITY MANAGED (TONS) -----	PERCENTAGE OF QUANTITY -----	NUMBER OF FACILITIES -----	PERCENTAGE OF FACILITIES -----
FUEL BLENDING	M061	4	.1	2	28.6
INCINERATION	M041-M049	59	1.0	2	28.6
METALS RECOVERY (FOR REUSE)	M011-M019	0	.0	1	14.3
SOLVENTS RECOVERY	M021-M029	532	8.9	1	14.3
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	5,350	90.0	1	14.3
TOTAL		5,945	100.0	7	

NOTE: FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.
COLUMNS MAY NOT SUM DUE TO ROUNDING.
COLUMNS MAY NOT SUM TO TOTAL BECAUSE FACILITIES MAY HAVE MULTIPLE HANDLING METHODS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NORTH CAROLINA

1997 IMPORTS AND EXPORTS

21	QUANTITY OF RCRA HAZARDOUS WASTE IMPORTED:	12,925 TONS
22	QUANTITY OF RCRA HAZARDOUS WASTE EXPORTED:	60,867 TONS

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

NORTH DAKOTA

1997 WASTE GENERATION

1 NUMBER OF RCRA LARGE QUANTITY GENERATORS (LQGS): 16

2 QUANTITY OF RCRA HAZARDOUS WASTE GENERATED: 2,686 TONS

3 FIFTY LARGEST RCRA HAZARDOUS WASTE GENERATORS IN THE STATE, 1997

RANK	EPA ID	SITE NAME	CITY	TOTAL GENERATED (TONS)
----	-----	-----	----	-----
1	NDD006175467	AMOCO OIL CO - MANDAN REFINERY	MANDAN	1,565
2	NDD000716738	SAFETY-KLEEN CORP - FARGO	FARGO	358
3	NDD980957070	SAFETY-KLEEN CORP - BISMARCK	BISMARCK	291
4	NDD982591794	WASTE RECOVERY SERVICES INC	BELFIELD	82
5	NDD167721265	HEALTH CARE INCINERATORS	FARGO	70
6	NDD053426565	LUCAS AEROSPACE CARGO SYSTEMS	JAMESTOWN	66
7	NDD084497775	IMATION CORP	WAHPETON	59
8	NDD051439743	INDUSTRIAL PLATING CORP	WAHPETON	39
9	NDD000690594	DAKOTA GASIFICATION CO	BEULAH	37
10	NDD031875719	WIL-RICH, A DIVISION OF TIC UNITED CORP	WAHPETON	36
11	ND0000479071	MOTOR COACH IND - PAINT SHOP	PEMBINA	29
12	NDD986267938	TECTON PRODUCTS	FARGO	21
13	ND3571924759	GRAND FORKS AIR FORCE BASE	GRAND FORKS	19
14	ND4571924758	MINOT AIR FORCE BASE	MINOT	9
15	NDD990872590	CASE CORPORATION	FARGO	6
TOTAL				2,686

NOTE: STATE MAY HAVE FEWER THAN FIFTY GENERATORS.
GENERATORS WITH ZERO QUANTITY GENERATED ARE EXCLUDED.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NORTH DAKOTA

1997 WASTE GENERATION, CONTINUED

4 QUANTITIES OF WASTE GENERATED IN 1997 THAT WERE

- REPORTED WITH ONLY CHARACTERISTIC WASTE CODES
 - REPORTED WITH ONLY LISTED WASTE CODES
 - REPORTED WITH BOTH CHARACTERISTIC AND LISTED WASTE CODES

WASTE HAS ONLY CHARACTERISTIC CODES -----	TONS OF WASTE GENERATED -----	WASTE HAS ONLY LISTED CODES -----	TONS OF WASTE GENERATED -----	WASTE HAS BOTH CHARACTERISTIC AND LISTED CODES -----	TONS OF WASTE GENERATED -----
ONLY IGNITABLE	3	ONLY AN F CODE	33		
ONLY CORROSIVE	4	ONLY A K CODE	12		
ONLY REACTIVE	0	ONLY A P CODE	0		
ONLY D004-17	169	ONLY A U CODE	0		
ONLY D018-43	56				
HAS MORE THAN ONE CHARACTERISTIC CODE	899	HAS MORE THAN ONE LISTED CODE	1,227		
TOTAL	1,131	TOTAL	1,271	BOTH CHARACTERISTIC & LISTED	283

5 QUANTITIES OF WASTE GENERATED IN 1997 THAT WERE MULTIPLY CODED

WASTE HAS ONLY CHARACTERISTIC CODES BUT MORE THAN ONE APPLIES -----	TONS OF WASTE GENERATED -----	ONLY LISTED CODES BUT HAS MORE THAN ONE -----	TONS OF WASTE GENERATED -----	BOTH CHAR, AND LISTED CODES -----	TONS OF WASTE GENERATED -----
HAS IGNITABLE CODE	793			IGN. W/ AT LEAST 1 LSTD	176
HAS CORROSIVE CODE	259			CORR. W/ AT LEAST 1 LSTD	1
HAS REACTIVE CODE	0			REACT. W/ AT LEAST 1 LSTD	0
HAS D004-D017 CODE	896			D004-17 W/ AT LEAST 1 LSTD	180
HAS D018-D043 CODE	635			D018-43 W/ AT LEAST 1 LSTD	177
		HAS AN F CODE	1,227	F WASTE W/ AT LEAST 1 CHAR	283
		HAS A K CODE	1,227	K WASTE W/ AT LEAST 1 CHAR	0
		HAS A P CODE	0	P WASTE W/ AT LEAST 1 CHAR	0
		HAS A U CODE	0	U WASTE W/ AT LEAST 1 CHAR	17
TOTAL	899	TOTAL	1,227	TOTAL	283

NOTE: COLUMNS DO NOT SUM TO TOTAL BECAUSE A WASTE CODE MAY APPLY TO MORE THAN ONE WASTE.
 MIXTURES WITH IGNITABLE, CORROSIVE, REACTIVE, D004-17, AND D018-43 CHARACTERISTIC CODES ALSO MAY
 CONTAIN OTHER CHARACTERISTIC WASTE CODES.
 SIMILARLY, WASTES WITH F,K,P, AND U LISTED CODES MAY HAVE OTHER LISTED WASTE CODES.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NORTH DAKOTA

1997 WASTE MANAGEMENT

6 NUMBER OF RCRA TSD FACILITIES: 7

7 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED: 1,188 TONS

8 FIFTY LARGEST RCRA HAZARDOUS WASTE MANAGEMENT FACILITIES, 1997

RANK	EPA ID	SITE NAME	CITY	TONS OF WASTE MANAGED
----	-----	-----	----	-----
1	NDD006175467	AMOCO OIL CO - MANDAN REFINERY	MANDAN	1,105
2	NDD982591794	WASTE RECOVERY SERVICES INC	BELFIELD	77
3	NDD000690594	DAKOTA GASIFICATION CO	BEULAH	4
4	ND3571924759	GRAND FORKS AIR FORCE BASE	GRAND FORKS	1
TOTAL				1,188

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
 STATE MAY HAVE FEWER THAN FIFTY FACILITIES THAT MANAGED WASTE.
 FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NORTH DAKOTA

1997 WASTE MANAGEMENT, CONTINUED

9 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY MANAGEMENT METHOD, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
METALS RECOVERY (FOR REUSE)	M011-M019	0	.0	2	50.0
INCINERATION	M041-M049	9	.8	2	50.0
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	5	.4	2	50.0
FUEL BLENDING	M061	61	5.1	2	50.0
SLUDGE TREATMENT	M101-M109	1,105	93.1	1	25.0
LANDFILL	M132	8	.7	1	25.0
TOTAL		1,188	100.0	4	

10 MANAGEMENT METHOD, BY QUANTITY OF RCRA HAZARDOUS WASTE MANAGED, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
SLUDGE TREATMENT	M101-M109	1,105	93.1	1	25.0
FUEL BLENDING	M061	61	5.1	2	50.0
INCINERATION	M041-M049	9	.8	2	50.0
LANDFILL	M132	8	.7	1	25.0
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	5	.4	2	50.0
METALS RECOVERY (FOR REUSE)	M011-M019	0	.0	2	50.0
TOTAL		1,188	100.0	4	

11 MANAGEMENT METHOD AND QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY NUMBER OF FACILITIES, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
FUEL BLENDING	M061	61	5.1	2	50.0
METALS RECOVERY (FOR REUSE)	M011-M019	0	.0	2	50.0
INCINERATION	M041-M049	9	.8	2	50.0
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	5	.4	2	50.0
LANDFILL	M132	8	.7	1	25.0
SLUDGE TREATMENT	M101-M109	1,105	93.1	1	25.0
TOTAL		1,188	100.0	4	

NOTE: FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.
COLUMNS MAY NOT SUM DUE TO ROUNDING.
COLUMNS MAY NOT SUM TO TOTAL BECAUSE FACILITIES MAY HAVE MULTIPLE HANDLING METHODS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

NORTH DAKOTA

1997 WASTE SHIPMENTS

12 NUMBER OF RCRA HAZARDOUS WASTE SHIPPERS: **15**

13 QUANTITY OF RCRA HAZARDOUS WASTE SHIPPED: **1,553 TONS**

14 FIFTY LARGEST RCRA HAZARDOUS WASTE SHIPPERS, 1997

RANK	EPA ID	SITE NAME	CITY	QUANTITY SHIPPED (TONS)
----	-----	-----	----	-----
1	NDD006175467	AMOCO OIL CO - MANDAN REFINERY	MANDAN	459
2	NDD000716738	SAFETY-KLEEN CORP - FARGO	FARGO	384
3	NDD980957070	SAFETY-KLEEN CORP - BISMARCK	BISMARCK	268
4	NDD982591794	WASTE RECOVERY SERVICES INC	BELFIELD	82
5	NDD167721265	HEALTH CARE INCINERATORS	FARGO	70
6	NDD053426565	LUCAS AEROSPACE CARGO SYSTEMS	JAMESTOWN	66
7	NDD084497775	IMATION CORP	WAHPETON	59
8	NDD051439743	INDUSTRIAL PLATING CORP	WAHPETON	39
9	NDD031875719	WIL-RICH, A DIVISION OF TIC UNITED CORP	WAHPETON	36
10	ND0000479071	MOTOR COACH IND - PAINT SHOP	PEMBINA	29
11	NDD986267938	TECTON PRODUCTS	FARGO	21
12	ND3571924759	GRAND FORKS AIR FORCE BASE	GRAND FORKS	19
13	ND4571924758	MINOT AIR FORCE BASE	MINOT	8
14	NDD000690594	DAKOTA GASIFICATION CO	BEULAH	6
15	NDD990872590	CASE CORPORATION	FARGO	6
TOTAL				1,553

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY SHIPPERS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NORTH DAKOTA

1997 WASTE RECEIPTS

15 NUMBER OF RCRA HAZARDOUS WASTE RECEIVERS: 5

16 QUANTITY OF RCRA HAZARDOUS WASTE RECEIVED: 654 TONS

17 FIFTY LARGEST RCRA HAZARDOUS WASTE RECEIVERS, 1997

RANK	EPA ID	SITE NAME	CITY	QUANTITY RECEIVED (TONS)
----	-----	-----	----	-----
1	NDD000716738	SAFETY-KLEEN CORP - FARGO	FARGO	340
2	NDD980957070	SAFETY-KLEEN CORP - BISMARCK	BISMARCK	236
3	NDD982591794	WASTE RECOVERY SERVICES INC	BELFIELD	77
4	ND3571924759	GRAND FORKS AIR FORCE BASE	GRAND FORKS	1
5	ND4571924758	MINOT AIR FORCE BASE	MINOT	0
TOTAL				654

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY FACILITIES THAT RECEIVED WASTE.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NORTH DAKOTA

1997 WASTE RECEIPTS, CONTINUED

18 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY MANAGEMENT METHOD,
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
METALS RECOVERY (FOR REUSE)	M011-M019	0	.2	2	100.0
INCINERATION	M041-M049	9	12.1	2	100.0
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	0	.1	1	50.0
FUEL BLENDING	M061	61	77.7	2	100.0
LANDFILL	M132	8	9.9	1	50.0
TOTAL		78	100.0	2	

19 MANAGEMENT METHOD, BY QUANTITY OF RCRA HAZARDOUS WASTE MANAGED
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
FUEL BLENDING	M061	61	77.7	2	100.0
INCINERATION	M041-M049	9	12.1	2	100.0
LANDFILL	M132	8	9.9	1	50.0
METALS RECOVERY (FOR REUSE)	M011-M019	0	.2	2	100.0
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	0	.1	1	50.0
TOTAL		78	100.0	2	

20 MANAGEMENT METHOD AND QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY NUMBER OF FACILITIES,
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
FUEL BLENDING	M061	61	77.7	2	100.0
METALS RECOVERY (FOR REUSE)	M011-M019	0	.2	2	100.0
INCINERATION	M041-M049	9	12.1	2	100.0
LANDFILL	M132	8	9.9	1	50.0
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	0	.1	1	50.0
TOTAL		78	100.0	2	

NOTE: FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.
COLUMNS MAY NOT SUM DUE TO ROUNDING.
COLUMNS MAY NOT SUM TO TOTAL BECAUSE FACILITIES MAY HAVE MULTIPLE HANDLING METHODS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NORTH DAKOTA

1997 IMPORTS AND EXPORTS

21 QUANTITY OF RCRA HAZARDOUS WASTE IMPORTED: 264 TONS

22 QUANTITY OF RCRA HAZARDOUS WASTE EXPORTED: 1,547 TONS

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

OHIO

1997 WASTE GENERATION

1 NUMBER OF RCRA LARGE QUANTITY GENERATORS (LQGS): 1,271

2 QUANTITY OF RCRA HAZARDOUS WASTE GENERATED: 1,693,247 TONS

3 FIFTY LARGEST RCRA HAZARDOUS WASTE GENERATORS IN THE STATE, 1997

RANK	EPA ID	SITE NAME	CITY	TOTAL GENERATED (TONS)
----	-----	-----	-----	-----
1	OHD042157644	BP CHEMICALS INC	LIMA	1,001,278
2	OHD004234480	AK STEEL CORPORATION MIDDLETOWN WORKS	MIDDLETOWN	114,688
3	OHD005048947	SYSTECH ENVIRONMENTAL CORP	PAULDING	61,049
4	OHD005108477	ARISTECH CHEMICAL CORPORATION	HAVERHILL	50,896
5	OHD004341509	CYTEC INDUSTRIES INC	MARIETTA	33,503
6	OHD004228003	REPUBLIC ENG STEELS CANTON PLANT	CANTON	25,432
7	OHD980613541	VON ROLL AMERICA, INC.	EAST LIVERPOOL	21,339
8	OHD093945293	CWM RESOURCE RECOVERY INC	WEST CARROLLTON	18,598
9	OHD004465100	TIMKEN COMPANY	CANTON	16,760
10	OHD001926740	HUKILL CHEMICAL CORPORATION	BEDFORD	15,473
11	OHD980681571	NORTH EAST CHEMICAL CORP.	CLEVELAND	14,197
12	OHD004157418	ARMCO INC MANSFIELD OPERATIONS	MANSFIELD	12,425
13	OHR000025635	DOMINION HOMES, INC.	GALLOWAY	12,000
14	OHD048415665	ROSS INCINERATION SERVICES INC	GRAFTON	9,882
15	OHD987054657	AKZO NOBEL CHEMICALS INC.	LIMA	9,629
16	OHD004172623	LUBRIZOL CORPORATION	PAINESVILLE	8,828
17	OHR000002279	NORTH STAR BHP STEEL LLC	DELTA	8,702
18	OHD020273819	WASTE MANAGEMENT OF OHIO INC	VICKERY	8,303
19	OHD980587364	SAFETY-KLEEN CORP. - HEBRON	HEBRON	7,765
20	OHD980897656	CHEMICAL SOLVENTS INC.	CLEVELAND	7,360
21	OHD016077802	NORTH STAR STEEL OHIO	YOUNGSTOWN	6,865
22	OHD032271975	MARION STEEL COMPANY	MARION	6,568
23	OHD048782049	MIDWEST GUARDIAN INC.	WAPAKONETA	5,771
24	OHD004218673	LTV STEEL CO INC CLEVELAND EAST	CLEVELAND	5,750
25	OHD004379970	ORMET PRIMARY ALUMINUM CORPORATION	HANNIBAL	5,172
26	OHR000007773	CSC LTD	WARREN	5,069
27	OHD043736644	THOMSON CONSUMER ELECTRONICS INC	CIRCLEVILLE	5,044
28	OHR000019794	DESHLER LEAD SITE (STEWART PROPERTY)	DESHLER	5,017
29	OHD083377010	ENVIRONMENTAL ENTERPRISES INC	CINCINNATI	4,673
30	OHD004304689	PPG INDUSTRIES INC	CIRCLEVILLE	4,599
31	OHD004178612	RESEARCH OIL COMPANY	CLEVELAND	4,354
32	OHD005057542	BP OIL CO - TOLEDO REFINERY	OREGON	4,312
33	OHD076796887	BASF CORPORATION	GREENVILLE	4,235
34	OHD000724088	EAGLEBROOK INC	CLEVELAND	3,103
35	OHD005051826	BP OIL CO - LIMA REFINERY	LIMA	3,071
36	OHD004343117	SHELL CHEMICAL COMPANY	BELPRE	3,040
37	OHD087433744	CECOS INTERNATIONAL	WILLIAMSBURG	2,702
38	OHD986988954	M.A. HARRISON MFG CO INC	BIRMINGHAM	2,604
39	OHD046430328	SHERWIN-WILLIAMS CO COLUMBUS PLANT	COLUMBUS	2,571
40	OHD005041843	DUPONT AP TOLEDO PLANT	TOLEDO	2,557
41	OHD046203774	LTV STEEL CO INC CLEVELAND WEST	CLEVELAND	2,414
42	OHT400010815	TECHNEGLAS INC	COLUMBUS	2,346
43	OHD000816629	SPRING GROVE RESOURCE RECOVERY INC	CINCINNATI	2,344
44	OHD000721803	ISP FINE CHEMICALS INC	COLUMBUS	2,323
45	OHD004495545	INDUSTRIAL RECOVERY CAPITAL CO OF OHIO	MARYSVILLE	2,268
46	OHD004855292	QUALITY CHEMICALS INC	DAYTON	2,128
47	OHD000817114	BEAZER EAST INC	TOLEDO	2,091
48	OHD004460143	PPG INDUSTRIES	CLEVELAND	2,073
49	OHD020626669	FORD MOTOR COMPANY OHIO ASSEMBLY PLANT	AVON LAKE	2,008
50	OHD004233003	BAYER CORPORATION - POLYMERS DIVISION	ADDYSTON	1,948
TOTAL				1,567,126

NOTE: STATE MAY HAVE FEWER THAN FIFTY GENERATORS.
GENERATORS WITH ZERO QUANTITY GENERATED ARE EXCLUDED.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

OHIO

1997 WASTE GENERATION, CONTINUED

4 QUANTITIES OF WASTE GENERATED IN 1997 THAT WERE

- REPORTED WITH ONLY CHARACTERISTIC WASTE CODES
- REPORTED WITH ONLY LISTED WASTE CODES
- REPORTED WITH BOTH CHARACTERISTIC AND LISTED WASTE CODES

WASTE HAS ONLY CHARACTERISTIC CODES	TONS OF WASTE GENERATED	WASTE HAS ONLY LISTED CODES	TONS OF WASTE GENERATED	WASTE HAS BOTH CHARACTERISTIC AND LISTED CODES	TONS OF WASTE GENERATED
ONLY IGNITABLE	15,645	ONLY AN F CODE	16,225		
ONLY CORROSIVE	77,260	ONLY A K CODE	948,097		
ONLY REACTIVE	88	ONLY A P CODE	3		
ONLY D004-17	62,780	ONLY A U CODE	2,608		
ONLY D018-43	20,209				
HAS MORE THAN ONE CHARACTERISTIC CODE	37,960	HAS MORE THAN ONE LISTED CODE	80,886		
TOTAL	213,942	TOTAL	1,047,820	BOTH CHARACTERISTIC & LISTED	431,485

5 QUANTITIES OF WASTE GENERATED IN 1997 THAT WERE MULTIPLY CODED

WASTE HAS ONLY CHARACTERISTIC CODES BUT MORE THAN ONE APPLIES	TONS OF WASTE GENERATED	ONLY LISTED CODES BUT HAS MORE THAN ONE	TONS OF WASTE GENERATED	BOTH CHAR, AND LISTED CODES	TONS OF WASTE GENERATED
HAS IGNITABLE CODE	23,469			IGN. W/ AT LEAST 1 LSTD	220,252
HAS CORROSIVE CODE	15,315			CORR. W/ AT LEAST 1 LSTD	174,382
HAS REACTIVE CODE	3,966			REACT. W/ AT LEAST 1 LSTD	26,129
HAS D004-D017 CODE	23,261			D004-17 W/ AT LEAST 1 LSTD	177,864
HAS D018-D043 CODE	21,930			D018-43 W/ AT LEAST 1 LSTD	283,032
		HAS AN F CODE	1,204	F WASTE W/ AT LEAST 1 CHAR	269,057
		HAS A K CODE	80,809	K WASTE W/ AT LEAST 1 CHAR	281,074
		HAS A P CODE	76	P WASTE W/ AT LEAST 1 CHAR	36,742
		HAS A U CODE	79,772	U WASTE W/ AT LEAST 1 CHAR	148,205
TOTAL	37,960	TOTAL	80,886	TOTAL	431,485

NOTE: COLUMNS DO NOT SUM TO TOTAL BECAUSE A WASTE CODE MAY APPLY TO MORE THAN ONE WASTE.
 MIXTURES WITH IGNITABLE, CORROSIVE, REACTIVE, D004-17, AND D018-43 CHARACTERISTIC CODES ALSO MAY
 CONTAIN OTHER CHARACTERISTIC WASTE CODES.
 SIMILARLY, WASTES WITH F,K,P, AND U LISTED CODES MAY HAVE OTHER LISTED WASTE CODES.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

OHIO

1997 WASTE MANAGEMENT

6 NUMBER OF RCRA TSD FACILITIES: 52

7 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED: 1,739,368 TONS

8 FIFTY LARGEST RCRA HAZARDOUS WASTE MANAGEMENT FACILITIES, 1997

RANK	EPA ID	SITE NAME	CITY	TONS OF WASTE MANAGED
----	-----	-----	-----	-----
1	OHD042157644	BP CHEMICALS INC	LIMA	1,001,101
2	OHD045243706	ENVIROSAFE SERVICES OF OHIO INC	OREGON	213,669
3	OHD020273819	WASTE MANAGEMENT OF OHIO INC	VICKERY	126,722
4	OHD987048733	LAFARGE CORPORATION	PAULDING	56,247
5	OHD005048947	SYSTECH ENVIRONMENTAL CORP	PAULDING	53,557
6	OHD980613541	VON ROLL AMERICA, INC.	EAST LIVERPOOL	47,847
7	OHD005108477	ARISTECH CHEMICAL CORPORATION	HAVERHILL	43,408
8	OHD980587364	SAFETY-KLEEN CORP. - HEBRON	HEBRON	36,836
9	OHD001926740	HUKILL CHEMICAL CORPORATION	BEDFORD	34,442
10	OHD048415665	ROSS INCINERATION SERVICES INC	GRAFTON	26,560
11	OHD093945293	CWM RESOURCE RECOVERY INC	WEST CARROLLTON	26,163
12	OHD004304689	PPG INDUSTRIES INC	CIRCLEVILLE	13,369
13	OHD004178612	RESEARCH OIL COMPANY	CLEVELAND	13,249
14	OHD980681571	NORTH EAST CHEMICAL CORP.	CLEVELAND	12,039
15	OHD980897656	CHEMICAL SOLVENTS INC.	CLEVELAND	7,539
16	OHD055522429	REPUBLIC ENVIRONMENTAL SYSTEMS	BEDFORD	7,157
17	OHD004172623	LUBRIZOL CORPORATION	PAINESVILLE	6,885
18	OHD083377010	ENVIRONMENTAL ENTERPRISES INC	CINCINNATI	4,278
19	OHD060409521	WCI STEEL INC	WARREN	3,320
20	OHD000816629	SPRING GROVE RESOURCE RECOVERY INC	CINCINNATI	2,453
21	OHD004233003	BAYER CORPORATION - POLYMERS DIVISION	ADDYSTON	1,688
22	OHD066060609	CHEMTRON CORP.	AVON	457
23	OHD039128913	DOW CHEMICAL CO HANGING ROCK PLANT	IRONTON	349
24	OHD046202602	AZTEC PEROXIDES INC.	ELYRIA	28
25	OH6890008976	US DOE FERNALD ENV MGMT PROJECT	FERNALD	5
TOTAL				1,739,368

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY FACILITIES THAT MANAGED WASTE.
FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

OHIO

1997 WASTE MANAGEMENT, CONTINUED

9 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY MANAGEMENT METHOD, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
METALS RECOVERY (FOR REUSE)	M011-M019	11	.0	1	4.0
SOLVENTS RECOVERY	M021-M029	68,797	4.0	5	20.0
OTHER RECOVERY	M031-M039	3,320	.2	1	4.0
INCINERATION	M041-M049	95,780	5.5	7	28.0
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	101,692	5.8	4	16.0
FUEL BLENDING	M061	119,796	6.9	10	40.0
STABILIZATION	M111-M119	11,082	.6	4	16.0
LANDFILL	M132	291,806	16.8	2	8.0
DEEPWELL / UNDERGROUND INJECTION	M134	1,047,083	60.2	3	12.0
TOTAL		1,739,368	100.0	25	

10 MANAGEMENT METHOD, BY QUANTITY OF RCRA HAZARDOUS WASTE MANAGED, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
DEEPWELL / UNDERGROUND INJECTION	M134	1,047,083	60.2	3	12.0
LANDFILL	M132	291,806	16.8	2	8.0
FUEL BLENDING	M061	119,796	6.9	10	40.0
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	101,692	5.8	4	16.0
INCINERATION	M041-M049	95,780	5.5	7	28.0
SOLVENTS RECOVERY	M021-M029	68,797	4.0	5	20.0
STABILIZATION	M111-M119	11,082	.6	4	16.0
OTHER RECOVERY	M031-M039	3,320	.2	1	4.0
METALS RECOVERY (FOR REUSE)	M011-M019	11	.0	1	4.0
TOTAL		1,739,368	100.0	25	

11 MANAGEMENT METHOD AND QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY NUMBER OF FACILITIES, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
FUEL BLENDING	M061	119,796	6.9	10	40.0
INCINERATION	M041-M049	95,780	5.5	7	28.0
SOLVENTS RECOVERY	M021-M029	68,797	4.0	5	20.0
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	101,692	5.8	4	16.0
STABILIZATION	M111-M119	11,082	.6	4	16.0
DEEPWELL / UNDERGROUND INJECTION	M134	1,047,083	60.2	3	12.0
LANDFILL	M132	291,806	16.8	2	8.0
METALS RECOVERY (FOR REUSE)	M011-M019	11	.0	1	4.0
OTHER RECOVERY	M031-M039	3,320	.2	1	4.0
TOTAL		1,739,368	100.0	25	

NOTE: FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.
COLUMNS MAY NOT SUM DUE TO ROUNDING.
COLUMNS MAY NOT SUM TO TOTAL BECAUSE FACILITIES MAY HAVE MULTIPLE HANDLING METHODS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

OHIO

1997 WASTE SHIPMENTS

12 NUMBER OF RCRA HAZARDOUS WASTE SHIPPERS: 1,165

13 QUANTITY OF RCRA HAZARDOUS WASTE SHIPPED: 563,706 TONS

14 FIFTY LARGEST RCRA HAZARDOUS WASTE SHIPPERS, 1997

RANK	EPA ID	SITE NAME	CITY	QUANTITY SHIPPED (TONS)
----	-----	-----	----	-----
1	OHD005048947	SYSTECH ENVIRONMENTAL CORP	PAULDING	61,061
2	OHD093945293	CWM RESOURCE RECOVERY INC	WEST CARROLLTON	34,230
3	OHD004341509	CYTEC INDUSTRIES INC	MARIETTA	33,503
4	OHD004228003	REPUBLIC ENG STEELS CANTON PLANT	CANTON	25,432
5	OHD980681571	NORTH EAST CHEMICAL CORP.	CLEVELAND	21,224
6	OHD980613541	VON ROLL AMERICA, INC.	EAST LIVERPOOL	21,138
7	OHD004465100	TIMKEN COMPANY	CANTON	16,760
8	OHD004234480	AK STEEL CORPORATION MIDDLETOWN WORKS	MIDDLETOWN	16,588
9	OHD001926740	HUKILL CHEMICAL CORPORATION	BEDFORD	16,128
10	OHD004157418	ARMCO INC MANSFIELD OPERATIONS	MANSFIELD	12,425
11	OHR000025635	DOMINION HOMES, INC.	GALLOWAY	12,000
12	OHD987054657	AKZO NOBEL CHEMICALS INC.	LIMA	9,629
13	OHD980587364	SAFETY-KLEEN CORP. - HEBRON	HEBRON	9,587
14	OHD048415665	ROSS INCINERATION SERVICES INC	GRAFTON	9,425
15	OHR000002279	NORTH STAR BHP STEEL LLC	DELTA	8,702
16	OHD980897656	CHEMICAL SOLVENTS INC.	CLEVELAND	8,343
17	OHD005108477	ARISTECH CHEMICAL CORPORATION	HAVERHILL	7,099
18	OHD016077802	NORTH STAR STEEL OHIO	YOUNGSTOWN	6,865
19	OHD032271975	MARION STEEL COMPANY	MARION	6,568
20	OHD048782049	MIDWEST GUARDIAN INC.	WAPAKONETA	5,771
21	OHD004218673	LTV STEEL CO INC CLEVELAND EAST	CLEVELAND	5,750
22	OHR000007773	CSC LTD	WARREN	5,069
23	OHR000019794	DESHLER LEAD SITE (STEWART PROPERTY)	DESHLER	5,017
24	OHD043736644	THOMSON CONSUMER ELECTRONICS INC	CIRCLEVILLE	4,951
25	OHD000816629	SPRING GROVE RESOURCE RECOVERY INC	CINCINNATI	4,510
26	OHD083377010	ENVIRONMENTAL ENTERPRISES INC	CINCINNATI	4,479
27	OHD004178612	RESEARCH OIL COMPANY	CLEVELAND	4,431
28	OHD076796887	BASF CORPORATION	GREENVILLE	4,411
29	OHD005057542	BP OIL CO - TOLEDO REFINERY	OREGON	4,282
30	OHD004379970	ORMET PRIMARY ALUMINUM CORPORATION	HANNIBAL	3,897
31	OHD066060609	CHEMTRON CORP.	AVON	3,697
32	OHD000724088	EAGLEBROOK INC	CLEVELAND	3,103
33	OHD004343117	SHELL CHEMICAL COMPANY	BELPRE	3,057
34	OHD005051826	BP OIL CO - LIMA REFINERY	LIMA	2,998
35	OHD087433744	CECOS INTERNATIONAL	WILLIAMSBURG	2,702
36	OHD986988954	M.A. HARRISON MFG CO INC	BIRMINGHAM	2,604
37	OHD046430328	SHERWIN-WILLIAMS CO COLUMBUS PLANT	COLUMBUS	2,571
38	OHD005041843	DUPONT AP TOLEDO PLANT	TOLEDO	2,557
39	OHD046203774	LTV STEEL CO INC CLEVELAND WEST	CLEVELAND	2,414
40	OHT400010815	TECHNEGLAS INC	COLUMBUS	2,346
41	OHD004274031	PERMA-FIX OF DAYTON	DAYTON	2,333
42	OHD004495545	INDUSTRIAL RECOVERY CAPITAL CO OF OHIO	MARYSVILLE	2,268
43	OHD000721803	ISP FINE CHEMICALS INC	COLUMBUS	2,266
44	OHD004855292	QUALITY CHEMICALS INC	DAYTON	2,128
45	OHD000817114	BEAZER EAST INC	TOLEDO	2,091
46	OHD004460143	PPG INDUSTRIES	CLEVELAND	2,037
47	OHD020626669	FORD MOTOR COMPANY OHIO ASSEMBLY PLANT	AVON LAKE	2,008
48	OHD004304689	PPG INDUSTRIES INC	CIRCLEVILLE	1,960
49	OHD004161410	FERRO CORPORATION POLYMER ADDITIVES DIV	WALTON HILLS	1,956
50	OHD004347308	PPG INDUSTRIES OHIO, INC.	DELAWARE	1,909

TOTAL

438,281

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY SHIPPERS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

OHIO

1997 WASTE RECEIPTS

15 NUMBER OF RCRA HAZARDOUS WASTE RECEIVERS: 25

16 QUANTITY OF RCRA HAZARDOUS WASTE RECEIVED: 693,041 TONS

17 FIFTY LARGEST RCRA HAZARDOUS WASTE RECEIVERS, 1997

RANK	EPA ID	SITE NAME	CITY	QUANTITY RECEIVED (TONS)
----	-----	-----	----	-----
1	OHD045243706	ENVIROSAFE SERVICES OF OHIO INC	OREGON	213,385
2	OHD020273819	WASTE MANAGEMENT OF OHIO INC	VICKERY	120,221
3	OHD987048733	LAFARGE CORPORATION	PAULDING	56,247
4	OHD005048947	SYSTECH ENVIRONMENTAL CORP	PAULDING	53,557
5	OHD980613541	VON ROLL AMERICA, INC.	EAST LIVERPOOL	47,718
6	OHD980587364	SAFETY-KLEEN CORP. - HEBRON	HEBRON	36,842
7	OHD001926740	HUKILL CHEMICAL CORPORATION	BEDFORD	35,598
8	OHD093945293	CWM RESOURCE RECOVERY INC	WEST CARROLLTON	28,878
9	OHD048415665	ROSS INCINERATION SERVICES INC	GRAFTON	26,136
10	OHD980681571	NORTH EAST CHEMICAL CORP.	CLEVELAND	13,786
11	OHD004178612	RESEARCH OIL COMPANY	CLEVELAND	13,309
12	OHD004304689	PPG INDUSTRIES INC	CIRCLEVILLE	10,756
13	OHD055522429	REPUBLIC ENVIRONMENTAL SYSTEMS	BEDFORD	8,652
14	OHD980897656	CHEMICAL SOLVENTS INC.	CLEVELAND	7,994
15	OHD000816629	SPRING GROVE RESOURCE RECOVERY INC	CINCINNATI	6,358
16	OHD066060609	CHEMTRON CORP.	AVON	4,157
17	OHD060409521	WCI STEEL INC	WARREN	3,320
18	OHD083377010	ENVIRONMENTAL ENTERPRISES INC	CINCINNATI	3,213
19	OHD004274031	PERMA-FIX OF DAYTON	DAYTON	2,100
20	OHD980568992	ENVIRITE OF OHIO, INC.	CANTON	767
21	OHD080158702	DETREX CORPORATION - EC & ES DIVISION	EUCLID	30
22	OH7571724312	DEPARTMENT OF THE AIR FORCE BASE AREA A	WRIGHT PATTERSON AFB	8
23	OHD000817346	DELPHI PACKARD ELECTRIC SYSTEMS	WARREN	6
24	OH6890008976	US DOE FERNALD ENV MGMT PROJECT	FERNALD	2
25	OHD052937885	CHEMICAL SOLVENTS INC.	CLEVELAND	0
TOTAL				693,041

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY FACILITIES THAT RECEIVED WASTE.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

OHIO

1997 WASTE RECEIPTS, CONTINUED

**18 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY MANAGEMENT METHOD,
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997**

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
METALS RECOVERY (FOR REUSE)	M011-M019	11	.0	1	5.3
SOLVENTS RECOVERY	M021-M029	68,797	10.2	5	26.3
OTHER RECOVERY	M031-M039	3,320	.5	1	5.3
INCINERATION	M041-M049	84,617	12.6	4	21.1
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	56,247	8.4	1	5.3
FUEL BLENDING	M061	118,108	17.6	10	52.6
STABILIZATION	M111-M119	9,202	1.4	4	21.1
LANDFILL	M132	211,842	31.5	1	5.3
DEEPWELL / UNDERGROUND INJECTION	M134	120,245	17.9	2	10.5
TOTAL		672,390	100.0	19	

**19 MANAGEMENT METHOD, BY QUANTITY OF RCRA HAZARDOUS WASTE MANAGED
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997**

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
LANDFILL	M132	211,842	31.5	1	5.3
DEEPWELL / UNDERGROUND INJECTION	M134	120,245	17.9	2	10.5
FUEL BLENDING	M061	118,108	17.6	10	52.6
INCINERATION	M041-M049	84,617	12.6	4	21.1
SOLVENTS RECOVERY	M021-M029	68,797	10.2	5	26.3
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	56,247	8.4	1	5.3
STABILIZATION	M111-M119	9,202	1.4	4	21.1
OTHER RECOVERY	M031-M039	3,320	.5	1	5.3
METALS RECOVERY (FOR REUSE)	M011-M019	11	.0	1	5.3
TOTAL		672,390	100.0	19	

**20 MANAGEMENT METHOD AND QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY NUMBER OF FACILITIES,
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997**

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
FUEL BLENDING	M061	118,108	17.6	10	52.6
SOLVENTS RECOVERY	M021-M029	68,797	10.2	5	26.3
INCINERATION	M041-M049	84,617	12.6	4	21.1
STABILIZATION	M111-M119	9,202	1.4	4	21.1
DEEPWELL / UNDERGROUND INJECTION	M134	120,245	17.9	2	10.5
LANDFILL	M132	211,842	31.5	1	5.3
METALS RECOVERY (FOR REUSE)	M011-M019	11	.0	1	5.3
OTHER RECOVERY	M031-M039	3,320	.5	1	5.3
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	56,247	8.4	1	5.3
TOTAL		672,390	100.0	19	

NOTE: FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.
COLUMNS MAY NOT SUM DUE TO ROUNDING.
COLUMNS MAY NOT SUM TO TOTAL BECAUSE FACILITIES MAY HAVE MULTIPLE HANDLING METHODS.

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OHIO

1997 IMPORTS AND EXPORTS

21 QUANTITY OF RCRA HAZARDOUS WASTE IMPORTED: 428,011 TONS

22 QUANTITY OF RCRA HAZARDOUS WASTE EXPORTED: 312,603 TONS

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

OKLAHOMA

1997 WASTE GENERATION

1 NUMBER OF RCRA LARGE QUANTITY GENERATORS (LQGS): 144

2 QUANTITY OF RCRA HAZARDOUS WASTE GENERATED: 315,296 TONS

3 FIFTY LARGEST RCRA HAZARDOUS WASTE GENERATORS IN THE STATE, 1997

RANK	EPA ID	SITE NAME	CITY	TOTAL GENERATED (TONS)
1	OKD000829440	ZINC CORPORATION OF AMERICA	BARTLESVILLE	270,284
2	OKD007219181	SHEFFIELD STEEL CORPORATION	SAND SPRINGS	6,794
3	OKD074274333	MOORE BUSINESS FORMS/DOCUMENT SOLUTIONS	STILLWATER	4,284
4	OK1571724391	U.S. AIR FORCE TINKER AFB	TINKER AFB	3,886
5	OKD007218167	N. AMERICA GALVANIZING, TULSA #1	TULSA	2,646
6	OKD065436180	NATIONAL STANDARD COMPANY	STILLWATER	2,360
7	OKD072424104	BAKER PETROLITE	SAND SPRINGS	2,288
8	OKD058078775	SUN COMPANY INC	TULSA	1,942
9	OKD089761290	GREENWAY ENVIRONMENTAL, INC.	HASKELL	1,791
10	OK6213822798	MCALESTER ARMY AMMUNITION PLANT	MCALESTER	1,717
11	OKD007158454	EAGLE-PICHER IND., INC., EOM DEPT.	QUAPAW	1,581
12	OKD007233836	CONOCO INC. (PONCA CITY REFINERY/SITE)	PONCA CITY	1,459
13	OKD000815001	N. AMERICAN GALVANIZING #2 TULSA	TULSA	1,117
14	OKD053959326	WECO INDUSTRIES, SOUTHWEST TUBE DIV.	SAND SPRINGS	769
15	OKD082565714	GENERAL MOTORS (OKC PLANT)	OKLAHOMA CITY	720
16	OKD099714354	OKLAHOMA STEEL AND WIRE CO., INC.	MADILL	664
17	OKD079986568	XEROX CORP. OKC MANUFACTURING SITE	MUSTANG	649
18	OKD001824564	AMERICAN AIRLINES M&E CENTER	TULSA	526
19	OKD000803601	PHILLIPS RESEARCH CENTER	BARTLESVILLE	522
20	OKD032963530	MADEWELL & MADEWELL, INC.	JONES	497
21	OKD096646666	HILTI INDUSTRIES	TULSA	413
22	OKD020721098	DELTA FAUCET OF OKLAHOMA	CHICKASHA	402
23	OKD043440999	ARMSTRONG WORLD INDUSTRIES	STILLWATER	392
24	OKT410010797	REINFORCING SERVICES, INC.	CATOOSA	376
25	OKD061631354	CROSBY GROUP (MCKISSICK PLANT), THE	TULSA	370
26	OKD072401045	FORD MOTOR COMPANY, TULSA GLASS PLANT	TULSA	337
27	OKD000632737	HYDROCARBON RECYCLERS DBA USPCI	TULSA	326
28	OKD990750150	CENTRAL FOREST PRODUCTS	HUGO	305
29	OKD981909849	KING AEROSPACE	ARDMORE	289
30	OKD007188097	SOUTHWESTERN WIRE, INC.	NORMAN	268
31	OKD990696890	CAMROSE TECHNOLOGIES, L.L.C.	ADA	230
32	OKD062267448	IMATION ENTERPRISES CORPORATION	WEATHERFORD	205
33	OKD007224710	BALL-FOSTER GLASS CONTAINER	SAPULPA	178
34	OKD007207129	GEMINI COATINGS, INC.	EL RENO	176
35	OKD981908395	U.N.A.R.C.O. COMMERCIAL PRODUCTS	WAGONER	176
36	OKD987072006	NORIT AMERICAS INC. PRYOR PLANT	PRYOR	175
37	OKD007218340	SOUTHWEST UNITED INDUSTRIES, INC.	TULSA	173
38	OK0000118851	DEEPWATER CHEMICALS, INC.	WOODWARD	171
39	OKD987095304	BRENT INDUSTRIES, INC.	BARTESVILLE	169
40	OKR000001172	OKLAHOMA GALVANIZING INC.	CLAREMORE	165
41	OKD007192719	ALLIED MATERIALS CORPORATION	STROUD	162
42	OKD094029063	KWIKSET CORPORATION	BRISTOW	148
43	OKD065438376	LAIDLAW ENVIRONMENTAL SERVICES, INC LONE	WAYNOKA	116
44	OKD057705972	TOTAL PETROLEUM, INC., ARDMORE REFINERY	ARDMORE	114
45	OKD080578982	NORDAM-MANUFACTURING DIVISION	TULSA	114
46	OKD980877856	DANA CORPORATION	VINITA	108
47	OKD007469042	MODERN PLATING COMPANY	TULSA	103
48	OKD982560609	GULFSTREAM AEROSPACE	BETHANY	91
49	OKD055943286	GRAPHIC ELECTRONICS	TULSA	85
50	OKD990751059	ZAPATA INDUSTRIES, INC.	MUSKOGEE	80

TOTAL

312,909

NOTE: STATE MAY HAVE FEWER THAN FIFTY GENERATORS.
GENERATORS WITH ZERO QUANTITY GENERATED ARE EXCLUDED.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

OKLAHOMA

1997 WASTE GENERATION, CONTINUED

4 QUANTITIES OF WASTE GENERATED IN 1997 THAT WERE

- REPORTED WITH ONLY CHARACTERISTIC WASTE CODES
- REPORTED WITH ONLY LISTED WASTE CODES
- REPORTED WITH BOTH CHARACTERISTIC AND LISTED WASTE CODES

WASTE HAS ONLY CHARACTERISTIC CODES	TONS OF WASTE GENERATED	WASTE HAS ONLY LISTED CODES	TONS OF WASTE GENERATED	WASTE HAS BOTH CHARACTERISTIC AND LISTED CODES	TONS OF WASTE GENERATED
ONLY IGNITABLE	2,370	ONLY AN F CODE	3,065		
ONLY CORROSIVE	561	ONLY A K CODE	1,806		
ONLY REACTIVE	1,522	ONLY A P CODE	0		
ONLY D004-17	272,942	ONLY A U CODE	1		
ONLY D018-43	1,999				
HAS MORE THAN ONE CHARACTERISTIC CODE	10,955	HAS MORE THAN ONE LISTED CODE	468		
TOTAL	290,349	TOTAL	5,340	BOTH CHARACTERISTIC & LISTED	19,526

5 QUANTITIES OF WASTE GENERATED IN 1997 THAT WERE MULTIPLY CODED

WASTE HAS ONLY CHARACTERISTIC CODES BUT MORE THAN ONE APPLIES	TONS OF WASTE GENERATED	ONLY LISTED CODES BUT HAS MORE THAN ONE	TONS OF WASTE GENERATED	BOTH CHAR, AND LISTED CODES	TONS OF WASTE GENERATED
HAS IGNITABLE CODE	1,497			IGN. W/ AT LEAST 1 LSTD	7,303
HAS CORROSIVE CODE	9,775			CORR. W/ AT LEAST 1 LSTD	4,230
HAS REACTIVE CODE	327			REACT. W/ AT LEAST 1 LSTD	671
HAS D004-D017 CODE	7,891			D004-17 W/ AT LEAST 1 LSTD	16,322
HAS D018-D043 CODE	3,723			D018-43 W/ AT LEAST 1 LSTD	6,994
		HAS AN F CODE	468	F WASTE W/ AT LEAST 1 CHAR	10,151
		HAS A K CODE	420	K WASTE W/ AT LEAST 1 CHAR	11,269
		HAS A P CODE	0	P WASTE W/ AT LEAST 1 CHAR	638
		HAS A U CODE	48	U WASTE W/ AT LEAST 1 CHAR	2,498
TOTAL	10,955	TOTAL	468	TOTAL	19,526

NOTE: COLUMNS DO NOT SUM TO TOTAL BECAUSE A WASTE CODE MAY APPLY TO MORE THAN ONE WASTE.
 MIXTURES WITH IGNITABLE, CORROSIVE, REACTIVE, D004-17, AND D018-43 CHARACTERISTIC CODES ALSO MAY
 CONTAIN OTHER CHARACTERISTIC WASTE CODES.
 SIMILARLY, WASTES WITH F,K,P, AND U LISTED CODES MAY HAVE OTHER LISTED WASTE CODES.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

OKLAHOMA

1997 WASTE MANAGEMENT

6 NUMBER OF RCRA TSD FACILITIES: 41

7 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED: 405,898 TONS

8 FIFTY LARGEST RCRA HAZARDOUS WASTE MANAGEMENT FACILITIES, 1997

RANK	EPA ID	SITE NAME	CITY	TONS OF WASTE MANAGED
----	-----	-----	----	-----
1	OKD000829440	ZINC CORPORATION OF AMERICA	BARTLESVILLE	269,167
2	OKD065438376	LAIDLAW ENVIRONMENTAL SERVICES, INC LONE	WAYNOKA	121,592
3	OKD000402396	PERMA-FIX TREATMENT SERVICES, INC.	TULSA	6,773
4	OKD089761290	GREENWAY ENVIRONMENTAL, INC.	HASKELL	3,596
5	OKD987097151	TRICAT, INC.	MCALESTER	1,780
6	OKD987072006	NORIT AMERICAS INC. PRYOR PLANT	PRYOR	1,385
7	OK6213822798	MCALESTER ARMY AMMUNITION PLANT	MCALESTER	1,278
8	OKD001824564	AMERICAN AIRLINES M&E CENTER	TULSA	246
9	OKD007158454	EAGLE-PICHER IND., INC., EOM DEPT.	QUAPAW	66
10	OK1571724391	U.S. AIR FORCE TINKER AFB	TINKER AFB	14
11	OKD000814228	HALLIBURTON ENERGY SERVICES (DUNCAN)	DUNCAN	0
TOTAL				405,898

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
 STATE MAY HAVE FEWER THAN FIFTY FACILITIES THAT MANAGED WASTE.
 FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

OKLAHOMA

1997 WASTE MANAGEMENT, CONTINUED

9 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY MANAGEMENT METHOD, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
SOLVENTS RECOVERY	M021-M029	277	.1	2	18.2
OTHER RECOVERY	M031-M039	3,165	.8	2	18.2
INCINERATION	M041-M049	1	.0	1	9.1
FUEL BLENDING	M061	2,730	.7	2	18.2
SLUDGE TREATMENT	M101-M109	197	.0	1	9.1
STABILIZATION	M111-M119	55,734	13.7	6	54.5
LAND TREATMENT / APPLICATION / FARMING	M131	0	.0	1	9.1
LANDFILL	M132	67,468	16.6	3	27.3
DEEPWELL / UNDERGROUND INJECTION	M134	275,047	67.8	3	27.3
OTHER DISPOSAL SPECIFIED IN COMMENTS	M137	1,278	.3	1	9.1
TOTAL		405,898	100.0	11	

10 MANAGEMENT METHOD, BY QUANTITY OF RCRA HAZARDOUS WASTE MANAGED, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
DEEPWELL / UNDERGROUND INJECTION	M134	275,047	67.8	3	27.3
LANDFILL	M132	67,468	16.6	3	27.3
STABILIZATION	M111-M119	55,734	13.7	6	54.5
OTHER RECOVERY	M031-M039	3,165	.8	2	18.2
FUEL BLENDING	M061	2,730	.7	2	18.2
OTHER DISPOSAL SPECIFIED IN COMMENTS	M137	1,278	.3	1	9.1
SOLVENTS RECOVERY	M021-M029	277	.1	2	18.2
SLUDGE TREATMENT	M101-M109	197	.0	1	9.1
INCINERATION	M041-M049	1	.0	1	9.1
LAND TREATMENT / APPLICATION / FARMING	M131	0	.0	1	9.1
TOTAL		405,898	100.0	11	

11 MANAGEMENT METHOD AND QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY NUMBER OF FACILITIES, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
STABILIZATION	M111-M119	55,734	13.7	6	54.5
LANDFILL	M132	67,468	16.6	3	27.3
DEEPWELL / UNDERGROUND INJECTION	M134	275,047	67.8	3	27.3
FUEL BLENDING	M061	2,730	.7	2	18.2
SOLVENTS RECOVERY	M021-M029	277	.1	2	18.2
OTHER RECOVERY	M031-M039	3,165	.8	2	18.2
LAND TREATMENT / APPLICATION / FARMING	M131	0	.0	1	9.1
OTHER DISPOSAL SPECIFIED IN COMMENTS	M137	1,278	.3	1	9.1
INCINERATION	M041-M049	1	.0	1	9.1
SLUDGE TREATMENT	M101-M109	197	.0	1	9.1
TOTAL		405,898	100.0	11	

NOTE: FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.
COLUMNS MAY NOT SUM DUE TO ROUNDING.
COLUMNS MAY NOT SUM TO TOTAL BECAUSE FACILITIES MAY HAVE MULTIPLE HANDLING METHODS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

OKLAHOMA

1997 WASTE SHIPMENTS

12 NUMBER OF RCRA HAZARDOUS WASTE SHIPPERS: 139

13 QUANTITY OF RCRA HAZARDOUS WASTE SHIPPED: 48,137 TONS

14 FIFTY LARGEST RCRA HAZARDOUS WASTE SHIPPERS, 1997

RANK	EPA ID	SITE NAME	CITY	QUANTITY SHIPPED (TONS)
----	-----	-----	----	-----
1	OKD007219181	SHEFFIELD STEEL CORPORATION	SAND SPRINGS	6,794
2	OKD089761290	GREENWAY ENVIRONMENTAL, INC.	HASKELL	5,328
3	OK1571724391	U.S. AIR FORCE TINKER AFB	TINKER AFB	3,871
4	OKD074274333	MOORE BUSINESS FORMS/DOCUMENT SOLUTIONS	STILLWATER	2,538
5	OKD065436180	NATIONAL STANDARD COMPANY	STILLWATER	2,360
6	OKD072424104	BAKER PETROLITE	SAND SPRINGS	2,288
7	OKD058078775	SUN COMPANY INC	TULSA	1,942
8	OKD007224710	BALL-FOSTER GLASS CONTAINER	SAPULPA	1,756
9	OKD007158454	EAGLE-PICHER IND., INC., EOM DEPT.	QUAPAW	1,581
10	OKD007233836	CONOCO INC. (PONCA CITY REFINERY/SITE)	PONCA CITY	1,459
11	OKD980878474	SAFETY-KLEEN (WHEATLAND)	OKLAHOMA CITY	1,287
12	OKD000829440	ZINC CORPORATION OF AMERICA	BARTLESVILLE	1,117
13	OKD032963530	MADEWELL & MADEWELL, INC.	JONES	1,090
14	OKD000763821	SAFETY-KLEEN CORP. - TULSA, OK	TULSA	947
15	OKD000402396	PERMA-FIX TREATMENT SERVICES, INC.	TULSA	795
16	OKD053959326	WEBCO INDUSTRIES, SOUTHWEST TUBE DIV.	SAND SPRINGS	769
17	OKD007218167	N. AMERICA GALVANIZING, TULSA #1	TULSA	765
18	OKD082565714	GENERAL MOTORS (OKC PLANT)	OKLAHOMA CITY	720
19	OKD099714354	OKLAHOMA STEEL AND WIRE CO., INC.	MADILL	664
20	OKD079986568	XEROX CORP. OKC MANUFACTURING SITE	MUSTANG	649
21	OKD000803601	PHILLIPS RESEARCH CENTER	BARTLESVILLE	488
22	OK6213822798	MCALESTER ARMY AMMUNITION PLANT	MCALESTER	439
23	OKD096646666	HILTI INDUSTRIES	TULSA	413
24	OKD020721098	DELTA FAUCET OF OKLAHOMA	CHICKASHA	402
25	OKT410010797	REINFORCING SERVICES, INC.	CATOOSA	376
26	OKD061631354	CROSBY GROUP (MCKISSICK PLANT), THE	TULSA	370
27	OKD072401045	FORD MOTOR COMPANY, TULSA GLASS PLANT	TULSA	337
28	OKD000632737	HYDROCARBON RECYCLERS DBA USPCI	TULSA	326
29	OKD990750150	CENTRAL FOREST PRODUCTS	HUGO	305
30	OKD981909849	KING AEROSPACE	ARDMORE	289
31	OKD001824564	AMERICAN AIRLINES M&E CENTER	TULSA	280
32	OKD007188097	SOUTHWESTERN WIRE, INC.	NORMAN	268
33	OKD990696890	CAMROSE TECHNOLOGIES, L.L.C.	ADA	230
34	OKD062267448	IMATION ENTERPRISES CORPORATION	WEATHERFORD	205
35	OKD981908395	U.N.A.R.C.O. COMMERCIAL PRODUCTS	WAGONER	176
36	OKD007218340	SOUTHWEST UNITED INDUSTRIES, INC.	TULSA	173
37	OK0000118851	DEEPWATER CHEMICALS, INC.	WOODWARD	171
38	OKD987095304	BRENT INDUSTRIES, INC.	BARTESVILLE	167
39	OKR000001172	OKLAHOMA GALVANIZING INC.	CLAREMORE	165
40	OKD007192719	ALLIED MATERIALS CORPORATION	STROUD	162
41	OKD043440999	ARMSTRONG WORLD INDUSTRIES	STILLWATER	159
42	OKD094029063	KWIKSET CORPORATION	BRISTOW	131
43	OKD057705972	TOTAL PETROLEUM, INC., ARDMORE REFINERY	ARDMORE	114
44	OKD080578982	NORDAM-MANUFACTURING DIVISION	TULSA	114
45	OKD987087913	HARDAGE SUPERFUND SITE	LINDSAY	111
46	OKD980877856	DANA CORPORATION	VINITA	108
47	OKD007469042	MODERN PLATING COMPANY	TULSA	103
48	OKD982560609	GULFSTREAM AEROSPACE	BETHANY	91
49	OKD055943286	GRAPHIC ELECTRONICS	TULSA	85
50	OKD990751059	ZAPATA INDUSTRIES, INC.	MUSKOGEE	80

TOTAL

45,555

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY SHIPPERS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

OKLAHOMA

1997 WASTE RECEIPTS

15 NUMBER OF RCRA HAZARDOUS WASTE RECEIVERS: 9

16 QUANTITY OF RCRA HAZARDOUS WASTE RECEIVED: 136,481 TONS

17 FIFTY LARGEST RCRA HAZARDOUS WASTE RECEIVERS, 1997

RANK	EPA ID	SITE NAME	CITY	QUANTITY RECEIVED (TONS)
----	-----	-----	----	-----
1	OKD065438376	LAIDLAW ENVIRONMENTAL SERVICES, INC LONE	WAYNOKA	121,688
2	OKD000402396	PERMA-FIX TREATMENT SERVICES, INC.	TULSA	6,390
3	OKD089761290	GREENWAY ENVIRONMENTAL, INC.	HASKELL	3,599
4	OKD987097151	TRICAT, INC.	MCALESTER	1,780
5	OKD987072006	NORIT AMERICAS INC. PRYOR PLANT	PRYOR	1,289
6	OKD980878474	SAFETY-KLEEN (WHEATLAND)	OKLAHOMA CITY	959
7	OKD000763821	SAFETY-KLEEN CORP. - TULSA, OK	TULSA	715
8	OKD000814228	HALLIBURTON ENERGY SERVICES (DUNCAN)	DUNCAN	56
9	OKD000803601	PHILLIPS RESEARCH CENTER	BARTLESVILLE	4

TOTAL				136,481
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NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY FACILITIES THAT RECEIVED WASTE.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

OKLAHOMA

1997 WASTE RECEIPTS, CONTINUED

**18 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY MANAGEMENT METHOD,
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997**

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
SOLVENTS RECOVERY	M021-M029	263	.2	1	16.7
OTHER RECOVERY	M031-M039	3,069	2.3	2	33.3
INCINERATION	M041-M049	1	.0	1	16.7
FUEL BLENDING	M061	2,293	1.7	2	33.3
SLUDGE TREATMENT	M101-M109	197	.1	1	16.7
STABILIZATION	M111-M119	55,308	41.1	3	50.0
LAND TREATMENT / APPLICATION / FARMING	M131	0	.0	1	16.7
LANDFILL	M132	67,417	50.1	2	33.3
DEEPWELL / UNDERGROUND INJECTION	M134	5,931	4.4	2	33.3
TOTAL		134,479	100.0	6	

**19 MANAGEMENT METHOD, BY QUANTITY OF RCRA HAZARDOUS WASTE MANAGED
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997**

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
LANDFILL	M132	67,417	50.1	2	33.3
STABILIZATION	M111-M119	55,308	41.1	3	50.0
DEEPWELL / UNDERGROUND INJECTION	M134	5,931	4.4	2	33.3
OTHER RECOVERY	M031-M039	3,069	2.3	2	33.3
FUEL BLENDING	M061	2,293	1.7	2	33.3
SOLVENTS RECOVERY	M021-M029	263	.2	1	16.7
SLUDGE TREATMENT	M101-M109	197	.1	1	16.7
INCINERATION	M041-M049	1	.0	1	16.7
LAND TREATMENT / APPLICATION / FARMING	M131	0	.0	1	16.7
TOTAL		134,479	100.0	6	

**20 MANAGEMENT METHOD AND QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY NUMBER OF FACILITIES,
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997**

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
STABILIZATION	M111-M119	55,308	41.1	3	50.0
FUEL BLENDING	M061	2,293	1.7	2	33.3
LANDFILL	M132	67,417	50.1	2	33.3
DEEPWELL / UNDERGROUND INJECTION	M134	5,931	4.4	2	33.3
OTHER RECOVERY	M031-M039	3,069	2.3	2	33.3
LAND TREATMENT / APPLICATION / FARMING	M131	0	.0	1	16.7
SOLVENTS RECOVERY	M021-M029	263	.2	1	16.7
INCINERATION	M041-M049	1	.0	1	16.7
SLUDGE TREATMENT	M101-M109	197	.1	1	16.7
TOTAL		134,479	100.0	6	

NOTE: FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.
COLUMNS MAY NOT SUM DUE TO ROUNDING.
COLUMNS MAY NOT SUM TO TOTAL BECAUSE FACILITIES MAY HAVE MULTIPLE HANDLING METHODS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

OKLAHOMA

1997 IMPORTS AND EXPORTS

21	QUANTITY OF RCRA HAZARDOUS WASTE IMPORTED:	126,313 TONS
22	QUANTITY OF RCRA HAZARDOUS WASTE EXPORTED:	35,013 TONS

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

OREGON

1997 WASTE GENERATION

1 NUMBER OF RCRA LARGE QUANTITY GENERATORS (LQGS): 203

2 QUANTITY OF RCRA HAZARDOUS WASTE GENERATED: 49,877 TONS

3 FIFTY LARGEST RCRA HAZARDOUS WASTE GENERATORS IN THE STATE, 1997

RANK	EPA ID	SITE NAME	CITY	TOTAL GENERATED (TONS)
1	ORD045776432	CASCADE STEEL ROLLING MILLS INC	MCMINNVILLE	11,021
2	ORD009106055	OREGON STEEL MILLS INC	PORTLAND	7,205
3	OR6213820917	USA UMATILLA CHEMICAL DEPOT	HERMISTON	3,924
4	ORD980725592	MERIX CORP	FOREST GROVE	3,753
5	ORQ000005322	TRIQUINT SEMICONDUCTOR INC	HILLSBORO	3,381
6	ORD981764707	NORTHWEST ALUMINUM COMPANY	THE DALLES	2,948
7	ORD041265372	IMATION ENTERPRISES CORP	WHITE CITY	2,879
8	ORQ000007286	FORT JAMES CORP RAINIER SAWMILL	RAINIER	1,975
9	ORD049376189	PRAEGITZER INDUSTRIES INC	DALLAS	918
10	ORD981773377	YAMAMOTO MFG USA INC	BEAVERTON	874
11	ORD050955848	WAH CHANG	ALBANY	871
12	ORD089452353	CHEMICAL WASTE MANAGEMENT OF THE NW	ARLINGTON	836
13	ORD000602110	FREIGHTLINER CORP TRUCK MFG PLANT	PORTLAND	815
14	ORD054964481	BOEING OF PORTLAND	PORTLAND	782
15	ORD980987382	PRAEGITZER INDUSTRIES INC	WHITE CITY	497
16	ORD009022682	HMT TECHNOLOGY CORPORATION	EUGENE	413
17	ORD980980353	WESTAK OF OREGON	FOREST GROVE	300
18	ORD060591963	INTEL CORPORATION ALOHA CAMPUS	ALOHA	296
19	ORD987187952	SCHNITZER INVESTMENT CORP	PORTLAND	295
20	ORD018216887	EAST SIDE PLATING INC PLANTS 1 & 3	PORTLAND	233
21	ORD000773937	PCC STRUCTURALS INC SSBO	CLACKAMAS	219
22	ORD981766124	SAFETY KLEEN SYSTEMS INC 7-148-01	CLACKAMAS	214
23	ORD982656076	ANODIZING INC COATING DIV	PORTLAND	204
24	ORD009020231	TEKTRONIX INC BEAVERTON CAMPUS	BEAVERTON	203
25	ORD085979474	SYNTHETECH INC	ALBANY	203
26	ORD009027970	PCC STRUCTURALS INC LPC	PORTLAND	203
27	OR0000940692	INTEGRATED DEVICE TECHNOLOGY INC	HILLSBORO	196
28	ORD180761934	CASCADE GENERAL INC	PORTLAND	179
29	ORD052221025	LOCKHEED MARTIN CORPORATION	THE DALLES	179
30	ORD003991478	FREIGHTLINER CORP PORTLAND PARTS PLANT	PORTLAND	151
31	ORD009038761	OREGON METALLURGICAL CORPORATION	ALBANY	129
32	ORD009032400	J H BAXTER & CO EUGENE	EUGENE	117
33	ORD981770761	ENTEK INTERNATIONAL LLC	LEBANON	117
34	ORD009049107	EAST SIDE PLATING INC PLANT 4	PORTLAND	113
35	ORD081182180	HEWLETT PACKARD COMPANY	CORVALLIS	106
36	ORQ000004705	YAMHILL COUNTY TARGET RANGE	AMITY	103
37	ORD987201472	MATSUSHITA ELECTRONIC MATERIALS INC	FOREST GROVE	102
38	ORD987195088	OHKA AMERICA INC	HILLSBORO	90
39	ORD010736262	BLOUNT INC OREGON CUTTING SYSTEMS DIV	MILWAUKIE	87
40	ORD990659492	RHONE POULENC	PORTLAND	83
41	ORD009042532	TAYLOR LUMBER & TREATING INC	SHERIDAN	79
42	ORQ000007641	COOS COUNTY BEAVER HILL DISPOSAL SITE	COQUILLE	77
43	ORD063427306	FORREST PAINT CO	EUGENE	73
44	ORD009227398	VAN WATERS & ROGERS INC	PORTLAND	70
45	ORD009020470	RODDA PAINT CORPORATION	PORTLAND	69
46	ORD003992518	ELECTRONIC CONTROLS DESIGN INC	MULINO	63
47	ORD091296756	SCHROCK CABINET CO DIV WHITE CO	HILLSBORO	57
48	ORD027750645	CONTAINER MANAGEMENT SERVICES LLC	PORTLAND	55
49	ORD009024613	CROWN CORK & SEAL CO PLANT 87	PORTLAND	53
50	ORD009759085	CARLTON COMPANY	MILWAUKIE	51

TOTAL

47,861

NOTE: STATE MAY HAVE FEWER THAN FIFTY GENERATORS.
GENERATORS WITH ZERO QUANTITY GENERATED ARE EXCLUDED.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

OREGON

1997 WASTE GENERATION, CONTINUED

4 QUANTITIES OF WASTE GENERATED IN 1997 THAT WERE

- REPORTED WITH ONLY CHARACTERISTIC WASTE CODES
- REPORTED WITH ONLY LISTED WASTE CODES
- REPORTED WITH BOTH CHARACTERISTIC AND LISTED WASTE CODES

WASTE HAS ONLY CHARACTERISTIC CODES	TONS OF WASTE GENERATED	WASTE HAS ONLY LISTED CODES	TONS OF WASTE GENERATED	WASTE HAS BOTH CHARACTERISTIC AND LISTED CODES	TONS OF WASTE GENERATED
ONLY IGNITABLE	803	ONLY AN F CODE	6,195		
ONLY CORROSIVE	1,204	ONLY A K CODE	21,333		
ONLY REACTIVE	130	ONLY A P CODE	31		
ONLY D004-17	5,961	ONLY A U CODE	98		
ONLY D018-43	120				
HAS MORE THAN ONE CHARACTERISTIC CODE	9,961	HAS MORE THAN ONE LISTED CODE	233		
TOTAL	18,179	TOTAL	27,891	BOTH CHARACTERISTIC & LISTED	3,798

5 QUANTITIES OF WASTE GENERATED IN 1997 THAT WERE MULTIPLY CODED

WASTE HAS ONLY CHARACTERISTIC CODES BUT MORE THAN ONE APPLIES	TONS OF WASTE GENERATED	ONLY LISTED CODES BUT HAS MORE THAN ONE	TONS OF WASTE GENERATED	BOTH CHAR, AND LISTED CODES	TONS OF WASTE GENERATED
HAS IGNITABLE CODE	6,756			IGN. W/ AT LEAST 1 LSTD	2,873
HAS CORROSIVE CODE	2,957			CORR. W/ AT LEAST 1 LSTD	115
HAS REACTIVE CODE	4,083			REACT. W/ AT LEAST 1 LSTD	46
HAS D004-D017 CODE	8,358			D004-17 W/ AT LEAST 1 LSTD	1,053
HAS D018-D043 CODE	2,969			D018-43 W/ AT LEAST 1 LSTD	800
		HAS AN F CODE	211	F WASTE W/ AT LEAST 1 CHAR	3,783
		HAS A K CODE	210	K WASTE W/ AT LEAST 1 CHAR	2
		HAS A P CODE	31	P WASTE W/ AT LEAST 1 CHAR	3
		HAS A U CODE	23	U WASTE W/ AT LEAST 1 CHAR	231
TOTAL	9,961	TOTAL	233	TOTAL	3,798

NOTE: COLUMNS DO NOT SUM TO TOTAL BECAUSE A WASTE CODE MAY APPLY TO MORE THAN ONE WASTE.
 MIXTURES WITH IGNITABLE, CORROSIVE, REACTIVE, D004-17, AND D018-43 CHARACTERISTIC CODES ALSO MAY
 CONTAIN OTHER CHARACTERISTIC WASTE CODES.
 SIMILARLY, WASTES WITH F,K,P, AND U LISTED CODES MAY HAVE OTHER LISTED WASTE CODES.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

OREGON

1997 WASTE MANAGEMENT

6 NUMBER OF RCRA TSD FACILITIES: 7

7 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED: 32,150 TONS

8 FIFTY LARGEST RCRA HAZARDOUS WASTE MANAGEMENT FACILITIES, 1997

RANK	EPA ID	SITE NAME	CITY	TONS OF WASTE MANAGED
----	-----	-----	----	-----
1	ORD089452353	CHEMICAL WASTE MANAGEMENT OF THE NW	ARLINGTON	32,136
2	ORD009020231	TEKTRONIX INC BEAVERTON CAMPUS	BEAVERTON	14
TOTAL				32,150

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY FACILITIES THAT MANAGED WASTE.
FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

OREGON

1997 WASTE MANAGEMENT, CONTINUED

9 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY MANAGEMENT METHOD, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
SLUDGE TREATMENT	M101-M109	14	.0	1	50.0
STABILIZATION	M111-M119	8,708	27.1	1	50.0
LANDFILL	M132	22,326	69.4	1	50.0
OTHER DISPOSAL SPECIFIED IN COMMENTS	M137	1,102	3.4	1	50.0
TOTAL		32,150	100.0	2	

10 MANAGEMENT METHOD, BY QUANTITY OF RCRA HAZARDOUS WASTE MANAGED, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
LANDFILL	M132	22,326	69.4	1	50.0
STABILIZATION	M111-M119	8,708	27.1	1	50.0
OTHER DISPOSAL SPECIFIED IN COMMENTS	M137	1,102	3.4	1	50.0
SLUDGE TREATMENT	M101-M109	14	.0	1	50.0
TOTAL		32,150	100.0	2	

11 MANAGEMENT METHOD AND QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY NUMBER OF FACILITIES, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
LANDFILL	M132	22,326	69.4	1	50.0
OTHER DISPOSAL SPECIFIED IN COMMENTS	M137	1,102	3.4	1	50.0
SLUDGE TREATMENT	M101-M109	14	.0	1	50.0
STABILIZATION	M111-M119	8,708	27.1	1	50.0
TOTAL		32,150	100.0	2	

NOTE: FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.
COLUMNS MAY NOT SUM DUE TO ROUNDING.
COLUMNS MAY NOT SUM TO TOTAL BECAUSE FACILITIES MAY HAVE MULTIPLE HANDLING METHODS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

OREGON

1997 WASTE SHIPMENTS

12 NUMBER OF RCRA HAZARDOUS WASTE SHIPPERS: 192

13 QUANTITY OF RCRA HAZARDOUS WASTE SHIPPED: 39,784 TONS

14 FIFTY LARGEST RCRA HAZARDOUS WASTE SHIPPERS, 1997

RANK	EPA ID	SITE NAME	CITY	QUANTITY SHIPPED (TONS)
----	-----	-----	----	-----
1	ORD045776432	CASCADE STEEL ROLLING MILLS INC	MCMINNVILLE	11,021
2	ORD009106055	OREGON STEEL MILLS INC	PORTLAND	7,205
3	ORD089452353	CHEMICAL WASTE MANAGEMENT OF THE NW	ARLINGTON	3,861
4	ORD981764707	NORTHWEST ALUMINUM COMPANY	THE DALLES	2,981
5	ORQ000007286	FORT JAMES CORP RAINIER SAWMILL	RAINIER	1,975
6	ORD980725592	MERIX CORP	FOREST GROVE	1,864
7	ORD049376189	PRAEGITZER INDUSTRIES INC	DALLAS	943
8	ORD041265372	IMATION ENTERPRISES CORP	WHITE CITY	777
9	ORD054964481	BOEING OF PORTLAND	PORTLAND	769
10	ORD000602110	FREIGHTLINER CORP TRUCK MFG PLANT	PORTLAND	522
11	ORD980987382	PRAEGITZER INDUSTRIES INC	WHITE CITY	496
12	ORD009022682	HMT TECHNOLOGY CORPORATION	EUGENE	413
13	ORD980980353	WESTAK OF OREGON	FOREST GROVE	300
14	ORD060591963	INTEL CORPORATION ALOHA CAMPUS	ALOHA	296
15	ORD987187952	SCHNITZER INVESTMENT CORP	PORTLAND	295
16	ORD000712067	SAFETY KLEEN SYSTEMS INC	SPRINGFIELD	281
17	ORD981773377	YAMAMOTO MFG USA INC	BEAVERTON	268
18	ORD018216887	EAST SIDE PLATING INC PLANTS 1 & 3	PORTLAND	215
19	ORD981766124	SAFETY KLEEN SYSTEMS INC 7-148-01	CLACKAMAS	214
20	ORD009020231	TEKTRONIX INC BEAVERTON CAMPUS	BEAVERTON	212
21	ORD982656076	ANODIZING INC COATING DIV	PORTLAND	204
22	ORD085979474	SYNTHETECH INC	ALBANY	203
23	ORD009027970	PCC STRUCTURALS INC LPC	PORTLAND	203
24	OR0000940692	INTEGRATED DEVICE TECHNOLOGY INC	HILLSBORO	196
25	ORD180761934	CASCADE GENERAL INC	PORTLAND	179
26	ORD052221025	LOCKHEED MARTIN CORPORATION	THE DALLES	179
27	ORD000773937	PCC STRUCTURALS INC SSBO	CLACKAMAS	164
28	ORD003991478	FREIGHTLINER CORP PORTLAND PARTS PLANT	PORTLAND	131
29	ORD009038761	OREGON METALLURGICAL CORPORATION	ALBANY	129
30	ORD009032400	J H BAXTER & CO EUGENE	EUGENE	121
31	ORD009049107	EAST SIDE PLATING INC PLANT 4	PORTLAND	113
32	ORD081182180	HEWLETT PACKARD COMPANY	CORVALLIS	112
33	ORQ000004705	YAMHILL COUNTY TARGET RANGE	AMITY	103
34	ORD987201472	MATSUSHITA ELECTRONIC MATERIALS INC	FOREST GROVE	102
35	ORD050955848	WAH CHANG	ALBANY	96
36	ORD987195088	OHKA AMERICA INC	HILLSBORO	90
37	ORD010736262	BLOUNT INC OREGON CUTTING SYSTEMS DIV	MILWAUKIE	87
38	ORD990659492	RHONE POULENC	PORTLAND	83
39	ORD009042532	TAYLOR LUMBER & TREATING INC	SHERIDAN	79
40	ORQ000007641	COOS COUNTY BEAVER HILL DISPOSAL SITE	COQUILLE	77
41	ORD009227398	VAN WATERS & ROGERS INC	PORTLAND	70
42	ORD027750645	CONTAINER MANAGEMENT SERVICES LLC	PORTLAND	55
43	ORD009024613	CROWN CORK & SEAL CO PLANT 87	PORTLAND	53
44	ORD009759085	CARLTON COMPANY	MILWAUKIE	51
45	ORD091296756	SCHROCK CABINET CO DIV WHITE CO	HILLSBORO	50
46	ORD063427306	FORREST PAINT CO	EUGENE	50
47	ORD980738306	CONTINENTAL BRASS CO	PORTLAND	47
48	ORD003992518	ELECTRONIC CONTROLS DESIGN INC	MULINO	46
49	ORD991281619	CONTAINER MANAGEMENT SERVICES LLC	PORTLAND	44
50	ORD000773960	BRITE SOL SERVICES INC	PORTLAND	44

TOTAL

38,069

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY SHIPPERS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

OREGON

1997 WASTE RECEIPTS

15 NUMBER OF RCRA HAZARDOUS WASTE RECEIVERS: 2

16 QUANTITY OF RCRA HAZARDOUS WASTE RECEIVED: 31,338 TONS

17 FIFTY LARGEST RCRA HAZARDOUS WASTE RECEIVERS, 1997

RANK	EPA ID	SITE NAME	CITY	QUANTITY RECEIVED (TONS)
----	-----	-----	----	-----
1	ORD089452353	CHEMICAL WASTE MANAGEMENT OF THE NW	ARLINGTON	31,326
2	ORD009020231	TEKTRONIX INC BEAVERTON CAMPUS	BEAVERTON	13
TOTAL				31,338

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY FACILITIES THAT RECEIVED WASTE.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

OREGON

1997 WASTE RECEIPTS, CONTINUED

**18 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY MANAGEMENT METHOD,
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997**

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
SLUDGE TREATMENT	M101-M109	13	.0	1	50.0
STABILIZATION	M111-M119	8,708	27.8	1	50.0
LANDFILL	M132	21,516	68.7	1	50.0
OTHER DISPOSAL SPECIFIED IN COMMENTS	M137	1,102	3.5	1	50.0
TOTAL		31,338	100.0	2	

**19 MANAGEMENT METHOD, BY QUANTITY OF RCRA HAZARDOUS WASTE MANAGED
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997**

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
LANDFILL	M132	21,516	68.7	1	50.0
STABILIZATION	M111-M119	8,708	27.8	1	50.0
OTHER DISPOSAL SPECIFIED IN COMMENTS	M137	1,102	3.5	1	50.0
SLUDGE TREATMENT	M101-M109	13	.0	1	50.0
TOTAL		31,338	100.0	2	

**20 MANAGEMENT METHOD AND QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY NUMBER OF FACILITIES,
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997**

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
LANDFILL	M132	21,516	68.7	1	50.0
OTHER DISPOSAL SPECIFIED IN COMMENTS	M137	1,102	3.5	1	50.0
SLUDGE TREATMENT	M101-M109	13	.0	1	50.0
STABILIZATION	M111-M119	8,708	27.8	1	50.0
TOTAL		31,338	100.0	2	

NOTE: FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.
COLUMNS MAY NOT SUM DUE TO ROUNDING.
COLUMNS MAY NOT SUM TO TOTAL BECAUSE FACILITIES MAY HAVE MULTIPLE HANDLING METHODS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

OREGON

1997 IMPORTS AND EXPORTS

21 QUANTITY OF RCRA HAZARDOUS WASTE IMPORTED: 24,890 TONS

22 QUANTITY OF RCRA HAZARDOUS WASTE EXPORTED: 28,885 TONS

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

PENNSYLVANIA

1997 WASTE GENERATION

1 NUMBER OF RCRA LARGE QUANTITY GENERATORS (LQGS): 1,042

2 QUANTITY OF RCRA HAZARDOUS WASTE GENERATED: 370,024 TONS

3 FIFTY LARGEST RCRA HAZARDOUS WASTE GENERATORS IN THE STATE, 1997

RANK	EPA ID	SITE NAME	CITY	TOTAL GENERATED (TONS)
----	-----	-----	----	-----
1	PAD002312791	ALLIEDSIGNAL INC FRANKFORD	PHILADELPHIA	41,358
2	PAD990753089	GENERAL BATTERY CORP READING COMPLEX	READING	20,211
3	PAD002326908	LUKENS INC COATESVILLE FAC	COATESVILLE	19,171
4	PAD003026531	BETHLEHEM STEEL STEELTON	STEELTON	17,061
5	PAD053676631	PRECISION NATIONAL PLATING SRVCS INC	CLARKS SUMMIT	13,583
6	PAD004325254	ARMCO INC LYNDORA	LYNDORA	13,246
7	PAD987382108	WORLDCLASS PROCESSING INC	AMBRIDGE	10,466
8	PAD004335154	ALLEGHENY LUDLUM BRACKENRIDGE	BRACKENRIDGE	10,234
9	PAD002330165	EAST PENN MFG CO	LYON STATION	10,178
10	PAD000606285	HERCULES INC JEFFERSON PLT	WEST ELIZABETH	9,352
11	PAR000000307	BAR TECHN JOHNSTOWN PRIMARY OP	JOHNSTOWN	8,617
12	PAD087561015	INMETCO INC	ELLWOOD CITY	7,734
13	PAD002292068	ROHM & HAAS BRISTOL PLT	BRISTOL	5,940
14	PAD000651752	KOPPEL STEEL KOPPEL PLT	KOPPEL	5,312
15	PAD002289700	SUN CO INC POINT BREEZE PROCESSING	PHILADELPHIA	4,404
16	PAD003043353	MERCK & CO INC CHEROKEE PLT	RIVERSIDE	4,248
17	PAD030069140	QUALITY CHEMICALS INC	TYRONE	4,162
18	PAD004372363	ZINC CORP OF AMERICA MONACA	MONACA	3,884
19	PAD000766063	LUKENS STEEL CO HOUSTON	HOUSTON	3,871
20	PAD042094938	TECHNEGLAS INC	PITTSBURGH	3,657
21	PAR000012161	CAPARO STEEL CO	FARRELL	3,514
22	PAD980550412	LONZA INC	CONSHOHOCKEN	3,488
23	PAD004334157	NEVILLE CHEMICAL CO	PITTSBURGH	3,123
24	PAD981109135	ELLWOOD QUALITY STEEL CO	NEW CASTLE	3,111
25	PAD004322509	LUKENS STEEL CO WASHINGTON	WASHINGTON	2,900
26	PAD079181186	GNB TECHNOLOGIES INC	DUNMORE	2,859
27	PAD002344315	CARPENTER TECHNOLOGY CORP	READING	2,674
28	PAD073613663	TONOLLI CORP CERCLA SITE	NESQUEHONING	2,610
29	PAD004335485	SENSUS TECHNOLOGIES INC	UNIONTOWN	2,521
30	PA6213820503	LETTERKENNY ARMY DEPOT	CHAMBERSBURG	2,485
31	PAD004328548	ARMCO INC SAWHILL PIPE PLT	SHARON	2,449
32	PAD002330074	WITCO CORP TRAINER	TRAINER	2,377
33	PAD056771405	C&D TECHNOLOGIES INC LEOLA	LEOLA	2,187
34	PAD061106209	STANDARD STEEL FREEDOM FORGE BURNHAM	BURNHAM	2,122
35	PAD042259374	SARTOMER CO INC	WEST CHESTER	2,034
36	PAD000650366	PPG IND INC COATINGS & RESINS R&D	SPRINGDALE	1,996
37	PAD980550594	SUN CO INC MARCUS HOOK REFINERY	MARCUS HOOK	1,981
38	PAD004336319	PPG IND INC COATINGS & RESINS	SPRINGDALE	1,965
39	PAD058977190	KURZ HASTINGS INC	PHILADELPHIA	1,821
40	PAD000436261	RUETGERS NEASE CORP	STATE COLLEGE	1,734
41	PAD014130439	OMG AMERICAS	FRANKLIN	1,613
42	PAD982662611	HSCA GIORDANO SITE	WILKES BARRE	1,513
43	PAD004340444	J&L SPECIALTY STEEL INC	MIDLAND	1,429
44	PAD002327708	LUCENT TECHNOLOGIES READING	READING	1,364
45	PAD004329835	PENNZOIL PRODUCTS ROUSEVILLE REFINERY	ROUSEVILLE	1,351
46	PAD981740731	KOPPERS IND IND CLAIRTON	CLAIRTON	1,210
47	PAD002399285	AMERICAN NICKELOID CO	WALNUTPORT	1,186
48	PAD041399403	MALLINCKRODT CHEM INC CALSICAT DIV	ERIE	1,182
49	PAD045767449	ERIE FORGE & STEEL INC	ERIE	1,176
50	PAD001882372	THOMSON CONSUMER ELEC DUNMORE	DUNMORE	1,147
TOTAL				279,813

NOTE: STATE MAY HAVE FEWER THAN FIFTY GENERATORS.
GENERATORS WITH ZERO QUANTITY GENERATED ARE EXCLUDED.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

PENNSYLVANIA

1997 WASTE GENERATION, CONTINUED

4 QUANTITIES OF WASTE GENERATED IN 1997 THAT WERE

- REPORTED WITH ONLY CHARACTERISTIC WASTE CODES
- REPORTED WITH ONLY LISTED WASTE CODES
- REPORTED WITH BOTH CHARACTERISTIC AND LISTED WASTE CODES

WASTE HAS ONLY CHARACTERISTIC CODES	TONS OF WASTE GENERATED	WASTE HAS ONLY LISTED CODES	TONS OF WASTE GENERATED	WASTE HAS BOTH CHARACTERISTIC AND LISTED CODES	TONS OF WASTE GENERATED
ONLY IGNITABLE	15,648	ONLY AN F CODE	28,135		
ONLY CORROSIVE	1,971	ONLY A K CODE	112,841		
ONLY REACTIVE	281	ONLY A P CODE	22		
ONLY D004-17	73,294	ONLY A U CODE	1,547		
ONLY D018-43	5,971				
HAS MORE THAN ONE CHARACTERISTIC CODE	39,101	HAS MORE THAN ONE LISTED CODE	1,022		
TOTAL	136,266	TOTAL	143,567	BOTH CHARACTERISTIC & LISTED	89,940

5 QUANTITIES OF WASTE GENERATED IN 1997 THAT WERE MULTIPLY CODED

WASTE HAS ONLY CHARACTERISTIC CODES BUT MORE THAN ONE APPLIES	TONS OF WASTE GENERATED	ONLY LISTED CODES BUT HAS MORE THAN ONE	TONS OF WASTE GENERATED	BOTH CHAR, AND LISTED CODES	TONS OF WASTE GENERATED
HAS IGNITABLE CODE	22,031			IGN. W/ AT LEAST 1 LSTD	38,528
HAS CORROSIVE CODE	16,674			CORR. W/ AT LEAST 1 LSTD	6,012
HAS REACTIVE CODE	384			REACT. W/ AT LEAST 1 LSTD	432
HAS D004-D017 CODE	22,662			D004-17 W/ AT LEAST 1 LSTD	47,217
HAS D018-D043 CODE	19,916			D018-43 W/ AT LEAST 1 LSTD	21,760
		HAS AN F CODE	1,022	F WASTE W/ AT LEAST 1 CHAR	46,075
		HAS A K CODE	946	K WASTE W/ AT LEAST 1 CHAR	44,694
		HAS A P CODE	1	P WASTE W/ AT LEAST 1 CHAR	33
		HAS A U CODE	148	U WASTE W/ AT LEAST 1 CHAR	1,532
TOTAL	39,101	TOTAL	1,022	TOTAL	89,940

NOTE: COLUMNS DO NOT SUM TO TOTAL BECAUSE A WASTE CODE MAY APPLY TO MORE THAN ONE WASTE.
 MIXTURES WITH IGNITABLE, CORROSIVE, REACTIVE, D004-17, AND D018-43 CHARACTERISTIC CODES ALSO MAY
 CONTAIN OTHER CHARACTERISTIC WASTE CODES.
 SIMILARLY, WASTES WITH F,K,P, AND U LISTED CODES MAY HAVE OTHER LISTED WASTE CODES.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

PENNSYLVANIA

1997 WASTE MANAGEMENT

6 NUMBER OF RCRA TSD FACILITIES: 63

7 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED: 496,136 TONS

8 FIFTY LARGEST RCRA HAZARDOUS WASTE MANAGEMENT FACILITIES, 1997

RANK	EPA ID	SITE NAME	CITY	TONS OF WASTE MANAGED
----	-----	-----	----	-----
1	PAD002395887	HORSEHEAD RESOURCE DVLPT	PALMERTON	109,106
2	PAD002389559	KEYSTONE CEMENT CO	BATH	54,614
3	PAD004835146	MILL SERVICE INC YUKON	YUKON	48,284
4	PAD002312791	ALLIEDSIGNAL INC FRANKFORD	PHILADELPHIA	40,527
5	PAD002391548	HARCROS PIGMENTS INC	EASTON	40,489
6	PAD083965897	MEDUSA CEMENT CO	WAMPUM	36,520
7	PAD087561015	INMETCO INC	ELLWOOD CITY	34,496
8	PAD981038227	WORLD RESOURCES CO	POTTSVILLE	25,690
9	PAD085690592	REPUBLIC ENVIRONMENTAL SYS PA	HATFIELD	23,741
10	PAD990753089	GENERAL BATTERY CORP READING COMPLEX	READING	22,624
11	PAD010154045	ENVIRITE CORP	YORK	17,710
12	PAD000736942	CALGON CARBON CORP	PITTSBURGH	9,922
13	PAD000606285	HERCULES INC JEFFERSON PLT	WEST ELIZABETH	9,280
14	PAD002292068	ROHM & HAAS BRISTOL PLT	BRISTOL	5,478
15	PAD987270725	ENVIROTROL INC DARLINGTON	DARLINGTON	3,396
16	PAD002289700	SUN CO INC POINT BREEZE PROCESSING	PHILADELPHIA	2,906
17	PAD987283140	UNITED ENVIRONMENTAL GROUP INC	SEWICKLEY	2,896
18	PAD980707087	ENVIROTROL INC BEAVER FALLS	BEAVER FALLS	2,655
19	PAD980550412	LONZA INC	CONSHOHOCKEN	2,654
20	PAD003043353	MERCK & CO INC CHEROKEE PLT	RIVERSIDE	960
21	PAD987367216	AERC	ALLENTOWN	830
22	PAD002330165	EAST PENN MFG CO	LYON STATION	572
23	PAD003038056	EI DUPONT TOWANDA	TOWANDA	450
24	PAD002390961	BETHLEHEM APPARATUS CO INC	HELLERTOWN	126
25	PAD980550594	SUN CO INC MARCUS HOOK REFINERY	MARCUS HOOK	109
26	PA0000453084	BETHLEHEM APPARATUS CO INC	BETHLEHEM	93
27	PA6213820503	LETTERKENNY ARMY DEPOT	CHAMBERSBURG	4
28	PAD002387926	MERCK & CO INC WEST POINT	WEST POINT	2
29	PA0890090004	US DOE BETTIS ATOMOC POWER LAB	WEST MIFFLIN	0

TOTAL

496,136

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY FACILITIES THAT MANAGED WASTE.
FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

PENNSYLVANIA

1997 WASTE MANAGEMENT, CONTINUED

9 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY MANAGEMENT METHOD, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
METALS RECOVERY (FOR REUSE)	M011-M019	201,613	40.6	10	34.5
SOLVENTS RECOVERY	M021-M029	1,107	.2	4	13.8
OTHER RECOVERY	M031-M039	59,359	12.0	5	17.2
INCINERATION	M041-M049	3,614	.7	2	6.9
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	146,419	29.5	5	17.2
SLUDGE TREATMENT	M101-M109	3,161	.6	4	13.8
STABILIZATION	M111-M119	80,686	16.3	4	13.8
OTHER DISPOSAL SPECIFIED IN COMMENTS	M137	177	.0	1	3.4
TOTAL		496,136	100.0	29	

10 MANAGEMENT METHOD, BY QUANTITY OF RCRA HAZARDOUS WASTE MANAGED, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
METALS RECOVERY (FOR REUSE)	M011-M019	201,613	40.6	10	34.5
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	146,419	29.5	5	17.2
STABILIZATION	M111-M119	80,686	16.3	4	13.8
OTHER RECOVERY	M031-M039	59,359	12.0	5	17.2
INCINERATION	M041-M049	3,614	.7	2	6.9
SLUDGE TREATMENT	M101-M109	3,161	.6	4	13.8
SOLVENTS RECOVERY	M021-M029	1,107	.2	4	13.8
OTHER DISPOSAL SPECIFIED IN COMMENTS	M137	177	.0	1	3.4
TOTAL		496,136	100.0	29	

11 MANAGEMENT METHOD AND QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY NUMBER OF FACILITIES, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
METALS RECOVERY (FOR REUSE)	M011-M019	201,613	40.6	10	34.5
OTHER RECOVERY	M031-M039	59,359	12.0	5	17.2
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	146,419	29.5	5	17.2
SOLVENTS RECOVERY	M021-M029	1,107	.2	4	13.8
SLUDGE TREATMENT	M101-M109	3,161	.6	4	13.8
STABILIZATION	M111-M119	80,686	16.3	4	13.8
INCINERATION	M041-M049	3,614	.7	2	6.9
OTHER DISPOSAL SPECIFIED IN COMMENTS	M137	177	.0	1	3.4
TOTAL		496,136	100.0	29	

NOTE: FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.
COLUMNS MAY NOT SUM DUE TO ROUNDING.
COLUMNS MAY NOT SUM TO TOTAL BECAUSE FACILITIES MAY HAVE MULTIPLE HANDLING METHODS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

PENNSYLVANIA

1997 WASTE SHIPMENTS

12 NUMBER OF RCRA HAZARDOUS WASTE SHIPPERS: 1,009

13 QUANTITY OF RCRA HAZARDOUS WASTE SHIPPED: 310,601 TONS

14 FIFTY LARGEST RCRA HAZARDOUS WASTE SHIPPERS, 1997

RANK	EPA ID	SITE NAME	CITY	QUANTITY SHIPPED (TONS)
----	-----	-----	----	-----
1	PAD990753089	GENERAL BATTERY CORP READING COMPLEX	READING	20,211
2	PAD002326908	LUKENS INC COATESVILLE FAC	COATESVILLE	19,171
3	PAD003026531	BETHLEHEM STEEL STEELTON	STEELTON	17,061
4	PAD053676631	PRECISION NATIONAL PLATING SRVCS INC	CLARKS SUMMIT	13,583
5	PAD004325254	ARMCO INC LYNDORA	LYNDORA	13,246
6	PAD987382108	WORLDCLASS PROCESSING INC	AMBRIDGE	10,466
7	PAD004335154	ALLEGHENY LUDLUM BRACKENRIDGE	BRACKENRIDGE	10,189
8	PAD002330165	EAST PENN MFG CO	LYON STATION	9,606
9	PAR000000307	BAR TECHN JOHNSTOWN PRIMARY OP	JOHNSTOWN	8,617
10	PAD087561015	INMETCO INC	ELLWOOD CITY	7,484
11	PAD000651752	KOPPEL STEEL KOPPEL PLT	KOPPEL	5,321
12	PAD085690592	REPUBLIC ENVIRONMENTAL SYS PA	HATFIELD	4,897
13	PAD030069140	QUALITY CHEMICALS INC	TYRONE	4,162
14	PAD004372363	ZINC CORP OF AMERICA MONACA	MONACA	3,884
15	PAD000766063	LUKENS STEEL CO HOUSTON	HOUSTON	3,871
16	PAD042094938	TECHNEGLAS INC	PITTSTON	3,657
17	PAR000012161	CAPARO STEEL CO	FARRELL	3,514
18	PAD003043353	MERCK & CO INC CHEROKEE PLT	RIVERSIDE	3,271
19	PAD004334157	NEVILLE CHEMICAL CO	PITTSBURGH	3,123
20	PAD981109135	ELLWOOD QUALITY STEEL CO	NEW CASTLE	3,111
21	PAD004322509	LUKENS STEEL CO WASHINGTON	WASHINGTON	2,900
22	PAD079181186	GNB TECHNOLOGIES INC	DUNMORE	2,859
23	PAD002344315	CARPENTER TECHNOLOGY CORP	READING	2,663
24	PAD073613663	TONOLLI CORP CERCLA SITE	NESQUEHONING	2,610
25	PAD004335485	SENSUS TECHNOLOGIES INC	UNIONTOWN	2,521
26	PA6213820503	LETTERKENNY ARMY DEPOT	CHAMBERSBURG	2,406
27	PAD002330074	WITCO CORP TRAINER	TRAINER	2,336
28	PAD056771405	C&D TECHNOLOGIES INC LEOLA	LEOLA	2,187
29	PAD061106209	STANDARD STEEL FREEDOM FORGE BURNHAM	BURNHAM	2,122
30	PAD000738849	SAFETY KLEEN WESTCHESTER	WESTCHESTER	2,091
31	PAD042259374	SARTOMER CO INC	WEST CHESTER	2,034
32	PAD004336319	PPG IND INC COATINGS & RESINS	SPRINGDALE	1,963
33	PAD980550594	SUN CO INC MARCUS HOOK REFINERY	MARCUS HOOK	1,872
34	PAD067098822	REMTech ENVIRONMENTAL LEWISBERRY INC	LEWISBURG	1,736
35	PAD000436261	RUETGERS NEASE CORP	STATE COLLEGE	1,729
36	PAD982662611	HSCA GIORDANO SITE	WILKES BARRE	1,513
37	PAD002289700	SUN CO INC POINT BREEZE PROCESSING	PHILADELPHIA	1,498
38	PAD004340444	J&L SPECIALTY STEEL INC	MIDLAND	1,429
39	PAD000738823	SAFETY KLEEN NEW KINGSTOWN	NEW KINGSTOWN	1,385
40	PAD002327708	LUCENT TECHNOLOGIES READING	READING	1,364
41	PAD982576258	SAFETY KLEEN WEST MIFFLIN	WEST MIFFLIN	1,302
42	PAD981740731	KOPPERS IND IND CLAIRTON	CLAIRTON	1,210
43	PAD041399403	MALLINCKRODT CHEM INC CALSICAT DIV	ERIE	1,178
44	PAD045767449	ERIE FORGE & STEEL INC	ERIE	1,175
45	PAD987397148	PITTSBURGH INDUSTRIAL PLATING	PITTSBURGH	1,094
46	PAD058977190	KURZ HASTINGS INC	PHILADELPHIA	1,074
47	PAR000015768	BAYWAY REFINING CO TRAINER REFINERY	TRAINER	1,001
48	PA4170022418	NSWCCD SSES PHIL NAVAL BASE	PHILADELPHIA	998
49	PAD000797407	FIRSTMISS STEEL INC STONY CREEK MILL	HOLLSOPPLE	997
50	PAD980552020	SAFETY KLEEN ALLENTOWN	ALLENTOWN	990

TOTAL

220,685

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY SHIPPERS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

PENNSYLVANIA

1997 WASTE RECEIPTS

15 NUMBER OF RCRA HAZARDOUS WASTE RECEIVERS: 30

16 QUANTITY OF RCRA HAZARDOUS WASTE RECEIVED: 446,935 TONS

17 FIFTY LARGEST RCRA HAZARDOUS WASTE RECEIVERS, 1997

RANK	EPA ID	SITE NAME	CITY	QUANTITY RECEIVED (TONS)
----	-----	-----	----	-----
1	PAD002395887	HORSEHEAD RESOURCE DVLPT PALMERTON	PALMERTON	109,106
2	PAD002389559	KEYSTONE CEMENT CO	BATH	54,614
3	PAD004835146	MILL SERVICE INC YUKON	YUKON	48,284
4	PAD002391548	HARCROS PIGMENTS INC	EASTON	40,489
5	PAD083965897	MEDUSA CEMENT CO	WAMPUM	36,519
6	PAD087561015	INMETCO INC	ELLWOOD CITY	34,496
7	PAD085690592	REPUBLIC ENVIRONMENTAL SYS PA	HATFIELD	27,998
8	PAD981038227	WORLD RESOURCES CO	POTTSVILLE	25,690
9	PAD990753089	GENERAL BATTERY CORP READING COMPLEX	READING	22,624
10	PAD010154045	ENVIRITE CORP	YORK	17,710
11	PAD000736942	CALGON CARBON CORP	PITTSBURGH	9,922
12	PAD987270725	ENVIROTROL INC DARLINGTON	DARLINGTON	3,396
13	PAD987283140	UNITED ENVIRONMENTAL GROUP INC	SEWICKLEY	2,896
14	PAD980707087	ENVIROTROL INC BEAVER FALLS	BEAVER FALLS	2,655
15	PAD067098822	REMTECH ENVIRONMENTAL LEWISBERRY INC	LEWISBURG	2,134
16	PAD000738849	SAFETY KLEEN WESTCHESTER	WESTCHESTER	1,818
17	PAD000738823	SAFETY KLEEN NEW KINGSTOWN	NEW KINGSTOWN	1,064
18	PAD987367216	AERC	ALLENTOWN	830
19	PAD980552020	SAFETY KLEEN ALLENTOWN	ALLENTOWN	791
20	PAD987266715	SAFETY KLEEN FAIRLESS HILLS	FAIRLESS HILLS	789
21	PAD982576258	SAFETY KLEEN WEST MIFFLIN	WEST MIFFLIN	694
22	PAD981736143	SAFETY KLEEN JOHNSTOWN	JOHHSTOWN	684
23	PAD981737109	SAFETY KLEEN WILKES BARRE	WILKES BARRE	467
24	PAD086673407	SAFETY KLEEN ERIE	ERIE	411
25	PAD000797548	ASHLAND CHEMICAL CO FREEDOM	FREEDOM	316
26	PAD987266673	SAFETY KLEEN ATHENS	ATHENS	309
27	PAD002390961	BETHLEHEM APPARATUS CO INC	HELLERTOWN	126
28	PA0000453084	BETHLEHEM APPARATUS CO INC	BETHLEHEM	93
29	PAD000606285	HERCULES INC JEFFERSON PLT	WEST ELIZABETH	7
30	PAD009439662	GEMCHEM INC	LITITZ	0
TOTAL				446,935

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY FACILITIES THAT RECEIVED WASTE.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

PENNSYLVANIA

1997 WASTE RECEIPTS, CONTINUED

**18 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY MANAGEMENT METHOD,
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997**

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
METALS RECOVERY (FOR REUSE)	M011-M019	201,041	46.4	9	50.0
SOLVENTS RECOVERY	M021-M029	651	.2	1	5.6
OTHER RECOVERY	M031-M039	59,359	13.7	5	27.8
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	91,140	21.0	3	16.7
SLUDGE TREATMENT	M101-M109	147	.0	2	11.1
STABILIZATION	M111-M119	80,686	18.6	3	16.7
OTHER DISPOSAL SPECIFIED IN COMMENTS	M137	177	.0	1	5.6
TOTAL		433,200	100.0	18	

**19 MANAGEMENT METHOD, BY QUANTITY OF RCRA HAZARDOUS WASTE MANAGED
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997**

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
METALS RECOVERY (FOR REUSE)	M011-M019	201,041	46.4	9	50.0
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	91,140	21.0	3	16.7
STABILIZATION	M111-M119	80,686	18.6	3	16.7
OTHER RECOVERY	M031-M039	59,359	13.7	5	27.8
SOLVENTS RECOVERY	M021-M029	651	.2	1	5.6
OTHER DISPOSAL SPECIFIED IN COMMENTS	M137	177	.0	1	5.6
SLUDGE TREATMENT	M101-M109	147	.0	2	11.1
TOTAL		433,200	100.0	18	

**20 MANAGEMENT METHOD AND QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY NUMBER OF FACILITIES,
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997**

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
METALS RECOVERY (FOR REUSE)	M011-M019	201,041	46.4	9	50.0
OTHER RECOVERY	M031-M039	59,359	13.7	5	27.8
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	91,140	21.0	3	16.7
STABILIZATION	M111-M119	80,686	18.6	3	16.7
SLUDGE TREATMENT	M101-M109	147	.0	2	11.1
OTHER DISPOSAL SPECIFIED IN COMMENTS	M137	177	.0	1	5.6
SOLVENTS RECOVERY	M021-M029	651	.2	1	5.6
TOTAL		433,200	100.0	18	

NOTE: FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.
COLUMNS MAY NOT SUM DUE TO ROUNDING.
COLUMNS MAY NOT SUM TO TOTAL BECAUSE FACILITIES MAY HAVE MULTIPLE HANDLING METHODS.

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PENNSYLVANIA

1997 IMPORTS AND EXPORTS

21 QUANTITY OF RCRA HAZARDOUS WASTE IMPORTED: 309,031 TONS

22 QUANTITY OF RCRA HAZARDOUS WASTE EXPORTED: 190,543 TONS

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

PUERTO RICO

1997 WASTE GENERATION

1 NUMBER OF RCRA LARGE QUANTITY GENERATORS (LQGS): 106

2 QUANTITY OF RCRA HAZARDOUS WASTE GENERATED: 54,120 TONS

3 FIFTY LARGEST RCRA HAZARDOUS WASTE GENERATORS IN THE STATE, 1997

RANK	EPA ID	SITE NAME	CITY	TOTAL GENERATED (TONS)
----	-----	-----	----	-----
1	PRD987374451	ABBOTT CHEMICAL PLANT SOUTH	BARCELONETA	9,846
2	PRD981130131	DUPONT AGRICHEMICALS CARIBE, INC.	MANATI	6,911
3	PRD091024786	ELI LILLY INDUSTRIES, INC.	MAYAGUEZ	6,538
4	PRD090346909	PFIZER PHARMACEUTICALS INC	BARCELONETA	5,923
5	PRD090398074	THE UPJOHN MANUFACTURING	ARECIBO	5,544
6	PRD982791220	MANUEL DEL VALLE INC.	TOA BAJA	5,000
7	PRD090028101	MERCK SHARP & DOHME QUIMICA	BARCELONETA	3,623
8	PRD090139536	SHERING INDUSTRIAL DEVELOPMENT	MANATI	1,547
9	PRD991291972	PHILLIPS PUERTO RICO CORE INC.	GUAYAMA	1,005
10	PRD090036021	BRISTOL MYERS BARCELONETA	BARCELONETA	887
11	PRD980536049	JOHNSON & JOHNSON PHARMACEUTICALS	GURABO	665
12	PRD991291949	NYCOMED P.R. INC.	BARCELONETA	533
13	PRD000692525	OMJ PHARM	GUAYAMA	426
14	PRD090131251	ABBOTT CHEMICALS, INC.	BARCELONETA	411
15	PRD091065102	CYANAMID AGRICULTURAL DE PR	MANATI	401
16	PRD991291857	CIRCO CARIBE(VIASYSTEMS PR INC)	SAN GERMAN	355
17	PRD987373578	IPR PHARMACEUTICALS	GUAYAMA	352
18	PRD090506239	LOCTITE P.R. INC	SABANA GRANDE	246
19	PRD090592544	QUALITY ELECTROPLATING	CAGUAS	233
20	PRD090074071	PUERTO RICO SUN OIL CO.	YABUCOA	222
21	PRD980644397	STAR KIST CARIBE, INC.	MAYAGUEZ	199
22	PRD090021056	SQUIBB MANUFACTURING, INC.	HUMACAO	193
23	PRD091200477	DAVIS AND GECK, INC	MANATI	161
24	PRD987381068	QUALEX CARIBE CO.	CAROLINA	151
25	PRD980768410	SCHERING PLOUGH PRODUCTS INC.	LAS PIEDRAS	141
26	PRD049532807	SARTORIUS INC.	YAUCO	137
27	PR2170027203	NAVAL STATION ROOSEVELT ROADS	CEIBA	126
28	PRD981563091	EL NUEVO DIA	GUAYNABO	122
29	PRD987378437	MERCK SHARP AND DOHME QUIMICA DE PR, INC	ARECIBO	119
30	PRD000708305	CUTLER -HAMMER DE PR CO.	TOA BAJA	115
31	PRD980594618	UNION CARBIDE CARIBE INC.	PENUELAS	114
32	PRD980644496	SAN JUAN STEAM PLANT (P.R.A.E.E)	SAN JUAN	93
33	PRD980759443	DUPONT ELECTRONIC MATERIALS	MANATI	78
34	PRD091144709	WARNER-LAMBERT INC.	VEGA BAJA	75
35	PRD091063743	PRODUCTOS CIRCUITOS DE PUERTO RICO	JUANA DIAZ	74
36	PRD090378225	SEARLE & CO.	CAGUAS	71
37	PRD090413568	DUPONT MERCK PHARMA	MANATI	70
38	PRD980764401	ORTHO PHARMACEUTICAL	MANATI	68
39	PRD980594683	TEXACO PUERTO RICO	GUAYNABO	64
40	PRD000706432	OSRAM SYLVANIA PR CORP	LUQUILLO	63
41	PRD091049262	THERMO KING CARIBBEAN	CIALES	59
42	PRD091198366	MILLIPORE CORPORATION	CIDRA	57
43	PRD090009457	LILLY DEL CARIBE PR02	CAROLINA	55
44	PRD101793834	WESLEY JESSEN (PUERTO RICO) INC.	CIDRA	55
45	PRD090466996	ISLAND LITHO CORP.	BAYAMON	55
46	PRD090613357	CHEMSOURCE CORPORATION	GUAYAMA	54
47	PRD980526180	ANTILLES ELECTROPLATING	BAYAMON	47
48	PRD981564735	GENERAL INSTRUMENT PR INC	BARCELONETA	43
49	PRD987366044	PEPSI CO.	CIDRA	38
50	PRD987380078	SUNDSTRAND DE PR	SANTA ISABEL	35

TOTAL

53,397

NOTE: STATE MAY HAVE FEWER THAN FIFTY GENERATORS.
GENERATORS WITH ZERO QUANTITY GENERATED ARE EXCLUDED.

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PUERTO RICO

1997 WASTE GENERATION, CONTINUED

4 QUANTITIES OF WASTE GENERATED IN 1997 THAT WERE

- REPORTED WITH ONLY CHARACTERISTIC WASTE CODES
- REPORTED WITH ONLY LISTED WASTE CODES
- REPORTED WITH BOTH CHARACTERISTIC AND LISTED WASTE CODES

WASTE HAS ONLY CHARACTERISTIC CODES	TONS OF WASTE GENERATED	WASTE HAS ONLY LISTED CODES	TONS OF WASTE GENERATED	WASTE HAS BOTH CHARACTERISTIC AND LISTED CODES	TONS OF WASTE GENERATED
ONLY IGNITABLE	7,445	ONLY AN F CODE	4,250		
ONLY CORROSIVE	32	ONLY A K CODE	81		
ONLY REACTIVE	20	ONLY A P CODE	43		
ONLY D004-17	863	ONLY A U CODE	3		
ONLY D018-43	70				
HAS MORE THAN ONE CHARACTERISTIC CODE	7,581	HAS MORE THAN ONE LISTED CODE	258		
TOTAL	16,011	TOTAL	4,635	BOTH CHARACTERISTIC & LISTED	33,459

5 QUANTITIES OF WASTE GENERATED IN 1997 THAT WERE MULTIPLY CODED

WASTE HAS ONLY CHARACTERISTIC CODES BUT MORE THAN ONE APPLIES	TONS OF WASTE GENERATED	ONLY LISTED CODES BUT HAS MORE THAN ONE	TONS OF WASTE GENERATED	BOTH CHAR, AND LISTED CODES	TONS OF WASTE GENERATED
HAS IGNITABLE CODE	7,283			IGN. W/ AT LEAST 1 LSTD	33,112
HAS CORROSIVE CODE	2,120			CORR. W/ AT LEAST 1 LSTD	243
HAS REACTIVE CODE	5,067			REACT. W/ AT LEAST 1 LSTD	24
HAS D004-D017 CODE	525			D004-17 W/ AT LEAST 1 LSTD	3,084
HAS D018-D043 CODE	306			D018-43 W/ AT LEAST 1 LSTD	8,968
		HAS AN F CODE	258	F WASTE W/ AT LEAST 1 CHAR	33,288
		HAS A K CODE	208	K WASTE W/ AT LEAST 1 CHAR	101
		HAS A P CODE	50	P WASTE W/ AT LEAST 1 CHAR	39
		HAS A U CODE	0	U WASTE W/ AT LEAST 1 CHAR	234
TOTAL	7,581	TOTAL	258	TOTAL	33,459

NOTE: COLUMNS DO NOT SUM TO TOTAL BECAUSE A WASTE CODE MAY APPLY TO MORE THAN ONE WASTE.
 MIXTURES WITH IGNITABLE, CORROSIVE, REACTIVE, D004-17, AND D018-43 CHARACTERISTIC CODES ALSO MAY
 CONTAIN OTHER CHARACTERISTIC WASTE CODES.
 SIMILARLY, WASTES WITH F,K,P, AND U LISTED CODES MAY HAVE OTHER LISTED WASTE CODES.

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PUERTO RICO

1997 WASTE MANAGEMENT

6 NUMBER OF RCRA TSD FACILITIES: 28

7 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED: 70,188 TONS

8 FIFTY LARGEST RCRA HAZARDOUS WASTE MANAGEMENT FACILITIES, 1997

RANK	EPA ID	SITE NAME	CITY	TONS OF WASTE MANAGED
----	-----	-----	----	-----
1	PRD090399718	SAFETY KLEEN ENVIRONSYSYSTEMS CO.	MANATI	32,619
2	PRD981182421	SAFETY KLEEN ENVIRONSYSYSTEMS (DORADO)	DORADO	32,082
3	PRD090028101	MERCK SHARP & DOHME QUIMICA	BARCELONETA	3,559
4	PRD090398074	THE UPJOHN MANUFACTURING	ARECIBO	1,800
5	PRD991291949	NYCOMED P.R. INC.	BARCELONETA	69
6	PRD090466996	ISLAND LITHO CORP.	BAYAMON	29
7	PRD980594618	UNION CARBIDE CARIBE INC.	PENUELAS	25
8	PRD090074071	PUERTO RICO SUN OIL CO.	YABUCOA	5
TOTAL				70,188

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY FACILITIES THAT MANAGED WASTE.
FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

PUERTO RICO

1997 WASTE MANAGEMENT, CONTINUED

9 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY MANAGEMENT METHOD, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
SOLVENTS RECOVERY	M021-M029	14,859	21.2	4	50.0
INCINERATION	M041-M049	3,629	5.2	2	25.0
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	148	.2	1	12.5
FUEL BLENDING	M061	51,523	73.4	2	25.0
STABILIZATION	M111-M119	17	.0	2	25.0
LANDFILL	M132	13	.0	1	12.5
TOTAL		70,188	100.0	8	

10 MANAGEMENT METHOD, BY QUANTITY OF RCRA HAZARDOUS WASTE MANAGED, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
FUEL BLENDING	M061	51,523	73.4	2	25.0
SOLVENTS RECOVERY	M021-M029	14,859	21.2	4	50.0
INCINERATION	M041-M049	3,629	5.2	2	25.0
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	148	.2	1	12.5
STABILIZATION	M111-M119	17	.0	2	25.0
LANDFILL	M132	13	.0	1	12.5
TOTAL		70,188	100.0	8	

11 MANAGEMENT METHOD AND QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY NUMBER OF FACILITIES, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
SOLVENTS RECOVERY	M021-M029	14,859	21.2	4	50.0
FUEL BLENDING	M061	51,523	73.4	2	25.0
INCINERATION	M041-M049	3,629	5.2	2	25.0
STABILIZATION	M111-M119	17	.0	2	25.0
LANDFILL	M132	13	.0	1	12.5
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	148	.2	1	12.5
TOTAL		70,188	100.0	8	

NOTE: FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.
COLUMNS MAY NOT SUM DUE TO ROUNDING.
COLUMNS MAY NOT SUM TO TOTAL BECAUSE FACILITIES MAY HAVE MULTIPLE HANDLING METHODS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

PUERTO RICO

1997 WASTE SHIPMENTS

12 NUMBER OF RCRA HAZARDOUS WASTE SHIPPERS: **104**

13 QUANTITY OF RCRA HAZARDOUS WASTE SHIPPED: **97,587 TONS**

14 FIFTY LARGEST RCRA HAZARDOUS WASTE SHIPPERS, 1997

RANK	EPA ID	SITE NAME	CITY	QUANTITY SHIPPED (TONS)
----	-----	-----	----	-----
1	PRD090399718	SAFETY KLEEN ENVIRONSYSYSTEMS CO.	MANATI	47,546
2	PRD981182421	SAFETY KLEEN ENVIRONSYSYSTEMS (DORADO)	DORADO	11,919
3	PRD987374451	ABBOTT CHEMICAL PLANT SOUTH	BARCELONETA	9,639
4	PRD981130131	DUPONT AGRICHEMICALS CARIBE, INC.	MANATI	6,911
5	PRD090346909	PFIZER PHARMACEUTICALS INC	BARCELONETA	5,922
6	PRD090398074	THE UPJOHN MANUFACTURING	ARECIBO	4,746
7	PRD091024786	ELI LILLY INDUSTRIES, INC.	MAYAGUEZ	1,076
8	PRD090036021	BRISTOL MYERS BARCELONETA	BARCELONETA	941
9	PRD991291972	PHILLIPS PUERTO RICO CORE INC.	GUAYAMA	860
10	PRD980536049	JOHNSON & JOHNSON PHARMACEUTICALS	GURABO	665
11	PRD991291949	NYCOMED P.R. INC.	BARCELONETA	449
12	PRD000692525	OMJ PHARM	GUAYAMA	426
13	PRD090139536	SHERING INDUSTRIAL DEVELOPMENT	MANATI	417
14	PRD090131251	ABBOTT CHEMICALS, INC.	BARCELONETA	404
15	PRD091065102	CYANAMID AGRICULTURAL DE PR	MANATI	401
16	PRD991291857	CIRCO CARIBE(VIASYSTEMS PR INC)	SAN GERMAN	355
17	PRD987373578	IPR PHARMACEUTICALS	GUAYAMA	352
18	PRD980767974	MCNEIL CONSUMER PRODUCTS	LAS PIEDRAS	263
19	PRD090506239	LOCTITE P.R. INC	SABANA GRANDE	246
20	PRD090592544	QUALITY ELECTROPLATING	CAGUAS	233
21	PRD090383860	CARIBE GE PRODUCTS ARECIBO	ARECIBO	231
22	PRD980644397	STAR KIST CARIBE, INC.	MAYAGUEZ	199
23	PRD090021056	SQUIBB MANUFACTURING, INC.	HUMACAO	193
24	PRD090074071	PUERTO RICO SUN OIL CO.	YABUCOA	183
25	PRD091200477	DAVIS AND GECK, INC	MANATI	161
26	PRD987381068	QUALEX CARIBE CO.	CAROLINA	151
27	PRD980768410	SCHERING PLOUGH PRODUCTS INC.	LAS PIEDRAS	141
28	PRD049532807	SARTORIUS INC.	YAUCO	137
29	PRD090028101	MERCK SHARP & DOHME QUIMICA	BARCELONETA	126
30	PR2170027203	NAVAL STATION ROOSEVELT ROADS	CEIBA	125
31	PRD987378437	MERCK SHARP AND DOHME QUIMICA DE PR, INC	ARECIBO	117
32	PRD000708305	CUTLER -HAMMER DE PR CO.	TOA BAJA	115
33	PRD980594618	UNION CARBIDE CARIBE INC.	PENUELAS	101
34	PRD980644496	SAN JUAN STEAM PLANT (P.R.A.E.E)	SAN JUAN	93
35	PRD980759443	DUPONT ELECTRONIC MATERIALS	MANATI	77
36	PRD981563091	EL NUEVO DIA	GUAYNABO	75
37	PRD987381803	ACCUPHARMA RESEARCH & SCIENTIFIC CONS	CATANO IND. PARK	74
38	PRD091063743	PRODUCTOS CIRCUITOS DE PUERTO RICO	JUANA DIAZ	74
39	PRD091144709	WARNER-LAMBERT INC.	VEGA BAJA	73
40	PRD090378225	SEARLE & CO.	CAGUAS	71
41	PRD090413568	DUPONT MERCK PHARMA	MANATI	70
42	PRD980764401	ORTHO PHARMACEUTICAL	MANATI	68
43	PRD980594683	TEXACO PUERTO RICO	GUAYNABO	64
44	PRD000706432	OSRAM SYLVANIA PR CORP	LUQUILLO	63
45	PRD091049262	THERMO KING CARIBBEAN	CIALES	57
46	PRD090009457	LILLY DEL CARIBE PR02	CAROLINA	55
47	PRD101793834	WESLEY JESSEN (PUERTO RICO) INC.	CIDRA	48
48	PRD980526180	ANTILLES ELECTROPLATING	BAYAMON	47
49	PRD091198366	MILLIPORE CORPORATION	CIDRA	46
50	PRD981564735	GENERAL INSTRUMENT PR INC	BARCELONETA	43

TOTAL

96,846

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY SHIPPERS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

PUERTO RICO

1997 WASTE RECEIPTS

15 NUMBER OF RCRA HAZARDOUS WASTE RECEIVERS: 2

16 QUANTITY OF RCRA HAZARDOUS WASTE RECEIVED: 66,584 TONS

17 FIFTY LARGEST RCRA HAZARDOUS WASTE RECEIVERS, 1997

RANK	EPA ID	SITE NAME	CITY	QUANTITY RECEIVED (TONS)
----	-----	-----	----	-----
1	PRD090399718	SAFETY KLEEN ENVIRONSYSYSTEMS CO.	MANATI	34,502
2	PRD981182421	SAFETY KLEEN ENVIRONSYSYSTEMS (DORADO)	DORADO	32,082
TOTAL				66,584

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY FACILITIES THAT RECEIVED WASTE.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

PUERTO RICO

1997 WASTE RECEIPTS, CONTINUED

18 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY MANAGEMENT METHOD,
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
SOLVENTS RECOVERY	M021-M029	13,030	20.1	2	100.0
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	148	.2	1	50.0
FUEL BLENDING	M061	51,523	79.6	2	100.0
TOTAL		64,701	100.0	2	

19 MANAGEMENT METHOD, BY QUANTITY OF RCRA HAZARDOUS WASTE MANAGED
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
FUEL BLENDING	M061	51,523	79.6	2	100.0
SOLVENTS RECOVERY	M021-M029	13,030	20.1	2	100.0
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	148	.2	1	50.0
TOTAL		64,701	100.0	2	

20 MANAGEMENT METHOD AND QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY NUMBER OF FACILITIES,
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
FUEL BLENDING	M061	51,523	79.6	2	100.0
SOLVENTS RECOVERY	M021-M029	13,030	20.1	2	100.0
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	148	.2	1	50.0
TOTAL		64,701	100.0	2	

NOTE: FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.
COLUMNS MAY NOT SUM DUE TO ROUNDING.
COLUMNS MAY NOT SUM TO TOTAL BECAUSE FACILITIES MAY HAVE MULTIPLE HANDLING METHODS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

PUERTO RICO

1997 IMPORTS AND EXPORTS

21 QUANTITY OF RCRA HAZARDOUS WASTE IMPORTED: 38 TONS

22 QUANTITY OF RCRA HAZARDOUS WASTE EXPORTED: 39,802 TONS

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

RHODE ISLAND

1997 WASTE GENERATION

1 NUMBER OF RCRA LARGE QUANTITY GENERATORS (LQGS): 107

2 QUANTITY OF RCRA HAZARDOUS WASTE GENERATED: 11,643 TONS

3 FIFTY LARGEST RCRA HAZARDOUS WASTE GENERATORS IN THE STATE, 1997

RANK	EPA ID	SITE NAME	CITY	TOTAL GENERATED (TONS)
----	-----	-----	----	-----
1	RID001202050	MOBIL OIL CORP- EAST PROV. TERMINAL	EAST PROVIDENCE	4,670
2	RID980906986	21ST CENTURY ENVIRONMENTAL MGMT. OF RI	WARWICK	994
3	RID048976732	NEW ENGLAND CONTAINER	SMITHFIELD	506
4	RID001805670	HOECHST CELANESE CORPORATION	COVENTRY	380
5	RID001198605	OSRAM SYLVANIA	CENTRAL FALLS	376
6	RID084802842	CHEM-PAK CORPORATION	CRANSTON	368
7	RID058065707	ARKWRIGHT, INC.	COVENTRY (FISKVILLE)	293
8	RID062310230	AIR PRODUCTS AND CHEMICALS INC.	CUMBERLAND	239
9	RID075704999	UNION INDUSTRIES INC.	PROVIDENCE	214
10	RI8170024790	NAVAL UNDERSEA WARFARE CENTER	NEWPORT	212
11	RID059741520	TEXACO/STAR ENTERPRISE SALES TERMINAL	PROVIDENCE	166
12	RID001200930	SOLUOL CHEMICAL CO., INC.	WEST WARWICK	164
13	RID075728030	OLIN MICROELECTRONIC MATERIALS	EAST PROVIDENCE	149
14	RID059735761	ADVANCED CHEMICAL COMPANY	WARWICK	143
15	RI1170024243	NAVAL EDUCATION AND TRAINING CENTER	NEWPORT	133
16	RID047987060	PRECISION ART COORDINATORS, INC.	EAST PROVIDENCE	118
17	RID046615019	LITTLE & CO. INC.	PROVIDENCE	109
18	RID987490315	NEW ENGLAND UNION CO. INC.	WEST WARWICK	109
19	RI5000011387	CLARIANT CORPORATION	COVENTRY	106
20	RID058058405	CHERRY SEMICONDUCTOR CORPORATION	EAST GREENWICH	104
21	RID001187277	PROVIDENCE METALLIZING CO., INC.	PAWTUCKET	103
22	RID001199728	COOLEY, INC.	PAWTUCKET	100
23	RID001670884	INTERPLEX METALS	PROVIDENCE	95
24	RID000791434	CHEMART CO.	LINCOLN	76
25	RID981202351	LENOX INCORPORATED D/B/A GORHAM	SMITHFIELD	73
26	RID059735944	MONARCH METAL FINISHING CO. INC.	PROVIDENCE	73
27	RID987488301	RIDGEWOOD PROVIDENCE POWER PARTNERS	JOHNSTON	67
28	RID980668610	RIBCO MFG. INC.	PROVIDENCE	66
29	RID099421810	ENGELHARD CORPORATION	WARWICK	64
30	RID051507044	STANLEY-BOSTITCH	EAST GREENWICH	63
31	RID001201508	A.T. CROSS COMPANY	LINCOLN	58
32	RID001190750	LEVITON MFG. CO. INC.	WARWICK	54
33	RID981064447	PRECISION ETCHINGS & FINDINGS	WARWICK	53
34	RID001189273	QUEBECOR PRINTING PROVIDENCE INC.	PROVIDENCE	48
35	RI5000000968	SILHOUETTES INC.	WOONSOCKET	48
36	RID001460534	TANURY INDUSTRIES	LINCOLN	46
37	RID001459890	UNCAS MANUFACTURING CO.	PROVIDENCE	46
38	RID987489473	TECHNIC INC., ENGINEERED POWER DIV.	CRANSTON	44
39	RID001191055	MONET GROUP INC.	EAST PROVIDENCE	40
40	RID063927966	G. TANURY PLATING COMPANY	JOHNSTON	38
41	RID000769661	EVANS PLATING CORPORATION	JOHNSTON	37
42	RID001199272	B.A. BALLOU & CO. INC.	EAST PROVIDENCE	36
43	RID001191931	EVANS PLATING CORPORATION	CENTREDALE	31
44	RID001438480	CRANSTON PRINT WORKS	CRANSTON	30
45	RID987467248	INTERNATIONAL ETCHING, INC.	PROVIDENCE	29
46	RID072216583	IRA GREEN INC.	PROVIDENCE	29
47	RID075725952	GENERAL ELECTRIC	PROVIDENCE	28
48	RID042131318	ARLON INC. ADHESIVES AND FILMS DIV.	EAST PROVIDENCE	28
49	RID980914550	ESS LABORATORY	CRANSTON	24
50	RID001198514	KENYON INDUSTRIES INC.	KENYON	24
TOTAL				11,104

NOTE: STATE MAY HAVE FEWER THAN FIFTY GENERATORS.
GENERATORS WITH ZERO QUANTITY GENERATED ARE EXCLUDED.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

RHODE ISLAND

1997 WASTE GENERATION, CONTINUED

4 QUANTITIES OF WASTE GENERATED IN 1997 THAT WERE

- REPORTED WITH ONLY CHARACTERISTIC WASTE CODES
 - REPORTED WITH ONLY LISTED WASTE CODES
 - REPORTED WITH BOTH CHARACTERISTIC AND LISTED WASTE CODES

WASTE HAS ONLY CHARACTERISTIC CODES	TONS OF WASTE GENERATED	WASTE HAS ONLY LISTED CODES	TONS OF WASTE GENERATED	WASTE HAS BOTH CHARACTERISTIC AND LISTED CODES	TONS OF WASTE GENERATED
ONLY IGNITABLE	713	ONLY AN F CODE	1,035		
ONLY CORROSIVE	145	ONLY A K CODE	0		
ONLY REACTIVE	32	ONLY A P CODE	1		
ONLY D004-17	957	ONLY A U CODE	10		
ONLY D018-43	213				
HAS MORE THAN ONE CHARACTERISTIC CODE	5,422	HAS MORE THAN ONE LISTED CODE	1		
TOTAL	7,482	TOTAL	1,047	BOTH CHARACTERISTIC & LISTED	3,096

5 QUANTITIES OF WASTE GENERATED IN 1997 THAT WERE MULTIPLY CODED

WASTE HAS ONLY CHARACTERISTIC CODES BUT MORE THAN ONE APPLIES	TONS OF WASTE GENERATED	ONLY LISTED CODES BUT HAS MORE THAN ONE	TONS OF WASTE GENERATED	BOTH CHAR, AND LISTED CODES	TONS OF WASTE GENERATED
HAS IGNITABLE CODE	2,023			IGN. W/ AT LEAST 1 LSTD	2,582
HAS CORROSIVE CODE	331			CORR. W/ AT LEAST 1 LSTD	97
HAS REACTIVE CODE	1,353			REACT. W/ AT LEAST 1 LSTD	99
HAS D004-D017 CODE	4,677			D004-17 W/ AT LEAST 1 LSTD	1,218
HAS D018-D043 CODE	4,965			D018-43 W/ AT LEAST 1 LSTD	1,433
		HAS AN F CODE	1	F WASTE W/ AT LEAST 1 CHAR	3,088
		HAS A K CODE	0	K WASTE W/ AT LEAST 1 CHAR	0
		HAS A P CODE	1	P WASTE W/ AT LEAST 1 CHAR	974
		HAS A U CODE	0	U WASTE W/ AT LEAST 1 CHAR	36
TOTAL	5,422	TOTAL	1	TOTAL	3,096

NOTE: COLUMNS DO NOT SUM TO TOTAL BECAUSE A WASTE CODE MAY APPLY TO MORE THAN ONE WASTE.
 MIXTURES WITH IGNITABLE, CORROSIVE, REACTIVE, D004-17, AND D018-43 CHARACTERISTIC CODES ALSO MAY
 CONTAIN OTHER CHARACTERISTIC WASTE CODES.
 SIMILARLY, WASTES WITH F,K,P, AND U LISTED CODES MAY HAVE OTHER LISTED WASTE CODES.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

RHODE ISLAND

1997 WASTE MANAGEMENT

6	NUMBER OF RCRA TSD FACILITIES:	3		
7	QUANTITY OF RCRA HAZARDOUS WASTE MANAGED:	3,840 TONS		
8	FIFTY LARGEST RCRA HAZARDOUS WASTE MANAGEMENT FACILITIES, 1997			
	RANK EPA ID	SITE NAME	CITY	TONS OF WASTE MANAGED
	-----	-----	-----	-----
	1 RID084802842	CHEM-PAK CORPORATION	CRANSTON	3,840
	TOTAL			3,840
	NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.			
	STATE MAY HAVE FEWER THAN FIFTY FACILITIES THAT MANAGED WASTE.			
	FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.			

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

RHODE ISLAND

1997 WASTE MANAGEMENT, CONTINUED

9 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY MANAGEMENT METHOD, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
SOLVENTS RECOVERY	M021-M029	943	24.5	1	100.0
INCINERATION	M041-M049	4	.1	1	100.0
FUEL BLENDING	M061	2,893	75.3	1	100.0
TOTAL		3,840	100.0	1	

10 MANAGEMENT METHOD, BY QUANTITY OF RCRA HAZARDOUS WASTE MANAGED, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
FUEL BLENDING	M061	2,893	75.3	1	100.0
SOLVENTS RECOVERY	M021-M029	943	24.5	1	100.0
INCINERATION	M041-M049	4	.1	1	100.0
TOTAL		3,840	100.0	1	

11 MANAGEMENT METHOD AND QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY NUMBER OF FACILITIES, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
FUEL BLENDING	M061	2,893	75.3	1	100.0
SOLVENTS RECOVERY	M021-M029	943	24.5	1	100.0
INCINERATION	M041-M049	4	.1	1	100.0
TOTAL		3,840	100.0	1	

NOTE: FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.
COLUMNS MAY NOT SUM DUE TO ROUNDING.
COLUMNS MAY NOT SUM TO TOTAL BECAUSE FACILITIES MAY HAVE MULTIPLE HANDLING METHODS.

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NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

RHODE ISLAND

1997 WASTE SHIPMENTS

12 NUMBER OF RCRA HAZARDOUS WASTE SHIPPERS: 104

13 QUANTITY OF RCRA HAZARDOUS WASTE SHIPPED: 9,747 TONS

14 FIFTY LARGEST RCRA HAZARDOUS WASTE SHIPPERS, 1997

RANK	EPA ID	SITE NAME	CITY	QUANTITY SHIPPED (TONS)
----	-----	-----	----	-----
1	RID001202050	MOBIL OIL CORP- EAST PROV. TERMINAL	EAST PROVIDENCE	1,872
2	RID980906986	21ST CENTURY ENVIRONMENTAL MGMT. OF RI	WARWICK	994
3	RID084802842	CHEM-PAK CORPORATION	CRANSTON	931
4	RID040098352	NORTHLAND ENVIRONMENTAL INC.	PROVIDENCE	675
5	RID048976732	NEW ENGLAND CONTAINER	SMITHFIELD	506
6	RID001805670	HOECHST CELANESE CORPORATION	COVENTRY	381
7	RID001198605	OSRAM SYLVANIA	CENTRAL FALLS	376
8	RID058065707	ARKWRIGHT, INC.	COVENTRY (FISKVILLE)	293
9	RID062310230	AIR PRODUCTS AND CHEMICALS INC.	CUMBERLAND	236
10	RI8170024790	NAVAL UNDERSEA WARFARE CENTER	NEWPORT	210
11	RID001200930	SOLUOL CHEMICAL CO., INC.	WEST WARWICK	164
12	RID059741520	TEXACO/STAR ENTERPRISE SALES TERMINAL	PROVIDENCE	163
13	RID075728030	OLIN MICROELECTRONIC MATERIALS	EAST PROVIDENCE	147
14	RID059735761	ADVANCED CHEMICAL COMPANY	WARWICK	143
15	RI1170024243	NAVAL EDUCATION AND TRAINING CENTER	NEWPORT	133
16	RID047987060	PRECISION ART COORDINATORS, INC.	EAST PROVIDENCE	118
17	RID987490315	NEW ENGLAND UNION CO. INC.	WEST WARWICK	109
18	RI5000011387	CLARIANT CORPORATION	COVENTRY	106
19	RID058058405	CHERRY SEMICONDUCTOR CORPORATION	EAST GREENWICH	104
20	RID001187277	PROVIDENCE METALLIZING CO., INC.	PAWTUCKET	103
21	RID001199728	COOLEY, INC.	PAWTUCKET	93
22	RID000791434	CHEMART CO.	LINCOLN	76
23	RID981202351	LENOX INCORPORATED D/B/A GORHAM	SMITHFIELD	73
24	RID059735944	MONARCH METAL FINISHING CO. INC.	PROVIDENCE	73
25	RID987488301	RIDGEWOOD PROVIDENCE POWER PARTNERS	JOHNSTON	67
26	RID980668610	RIBCO MFG. INC.	PROVIDENCE	66
27	RID099421810	ENGELHARD CORPORATION	WARWICK	64
28	RID051507044	STANLEY-BOSTITCH	EAST GREENWICH	59
29	RID001201508	A.T. CROSS COMPANY	LINCOLN	58
30	RID001190750	LEVITON MFG. CO. INC.	WARWICK	54
31	RID981064447	PRECISION ETCHINGS & FINDINGS	WARWICK	53
32	RID075704999	UNION INDUSTRIES INC.	PROVIDENCE	53
33	RI5000000968	SILHOUETTES INC.	WOONSOCKET	48
34	RID001460534	TANURY INDUSTRIES	LINCOLN	46
35	RID000769661	EVANS PLATING CORPORATION	JOHNSTON	46
36	RID001670884	INTERPLEX METALS	PROVIDENCE	45
37	RID987490372	MUTUAL METALS INC.	PROVIDENCE	41
38	RID001191055	MONET GROUP INC.	EAST PROVIDENCE	41
39	RID001459890	UNCAS MANUFACTURING CO.	PROVIDENCE	39
40	RID063927966	G. TANURY PLATING COMPANY	JOHNSTON	38
41	RID001191931	EVANS PLATING CORPORATION	CENTREDALE	38
42	RID001189273	QUEBECOR PRINTING PROVIDENCE INC.	PROVIDENCE	34
43	RID001438480	CRANSTON PRINT WORKS	CRANSTON	30
44	RID072216583	IRA GREEN INC.	PROVIDENCE	29
45	RID987467248	INTERNATIONAL ETCHING, INC.	PROVIDENCE	29
46	RID075725952	GENERAL ELECTRIC	PROVIDENCE	28
47	RID042131318	ARLON INC. ADHESIVES AND FILMS DIV.	EAST PROVIDENCE	28
48	RID980914550	ESS LABORATORY	CRANSTON	24
49	RID001198514	KENYON INDUSTRIES INC.	KENYON	24
50	RID063890214	METECH INTERNATIONAL, INC.	MAPLEVILLE	23

TOTAL

9,183

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY SHIPPERS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

RHODE ISLAND

1997 WASTE RECEIPTS

15 NUMBER OF RCRA HAZARDOUS WASTE RECEIVERS: 2

16 QUANTITY OF RCRA HAZARDOUS WASTE RECEIVED: 30,868 TONS

17 FIFTY LARGEST RCRA HAZARDOUS WASTE RECEIVERS, 1997

RANK	EPA ID	SITE NAME	CITY	QUANTITY RECEIVED (TONS)
----	-----	-----	----	-----
1	RID040098352	NORTHLAND ENVIRONMENTAL INC.	PROVIDENCE	26,838
2	RID084802842	CHEM-PAK CORPORATION	CRANSTON	4,030
TOTAL				30,868

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY FACILITIES THAT RECEIVED WASTE.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

RHODE ISLAND

1997 WASTE RECEIPTS, CONTINUED

18 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY MANAGEMENT METHOD,
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
SOLVENTS RECOVERY	M021-M029	943	24.5	1	100.0
INCINERATION	M041-M049	4	.1	1	100.0
FUEL BLENDING	M061	2,893	75.3	1	100.0
TOTAL		3,840	100.0	1	

19 MANAGEMENT METHOD, BY QUANTITY OF RCRA HAZARDOUS WASTE MANAGED
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
FUEL BLENDING	M061	2,893	75.3	1	100.0
SOLVENTS RECOVERY	M021-M029	943	24.5	1	100.0
INCINERATION	M041-M049	4	.1	1	100.0
TOTAL		3,840	100.0	1	

20 MANAGEMENT METHOD AND QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY NUMBER OF FACILITIES,
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
FUEL BLENDING	M061	2,893	75.3	1	100.0
SOLVENTS RECOVERY	M021-M029	943	24.5	1	100.0
INCINERATION	M041-M049	4	.1	1	100.0
TOTAL		3,840	100.0	1	

NOTE: FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.
COLUMNS MAY NOT SUM DUE TO ROUNDING.
COLUMNS MAY NOT SUM TO TOTAL BECAUSE FACILITIES MAY HAVE MULTIPLE HANDLING METHODS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

RHODE ISLAND

1997 IMPORTS AND EXPORTS

21 QUANTITY OF RCRA HAZARDOUS WASTE IMPORTED: 25,239 TONS

22 QUANTITY OF RCRA HAZARDOUS WASTE EXPORTED: 9,091 TONS

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

SOUTH CAROLINA

1997 WASTE GENERATION

1 NUMBER OF RCRA LARGE QUANTITY GENERATORS (LQGS): 341

2 QUANTITY OF RCRA HAZARDOUS WASTE GENERATED: 10,793 TONS

3 FIFTY LARGEST RCRA HAZARDOUS WASTE GENERATORS IN THE STATE, 1997

RANK	EPA ID	SITE NAME	CITY	TOTAL GENERATED (TONS)
----	-----	-----	----	-----
1	SCD043384072	ALBEMARLE CORP ORANGEBURG PLT	ORANGEBURG	3,183
2	SCD981467616	SAFETY KLEEN ROEBUCK INC	ROEBUCK	2,456
3	SCD980500052	3V INC	GEORGETOWN	2,270
4	SCD044442333	PETRO CHEM SC	ROCK HILL	749
5	SCD003351996	CAROLINA PLATING WORKS INC	GREENVILLE	708
6	SCD003351699	GIANT CEMENT COMPANY	HARLEYVILLE	375
7	SCD070375985	LAIDLAW ENV SVS OF SC INC	PINEWOOD	212
8	SCD981920374	GREENWOOD PLATING INC	GREENWOOD	150
9	SCD078057031	SYBRON CHEMICALS INC	WELLFORD	146
10	SCD062706767	REEVES BROTHERS PBG USA	SPARTANBURG	102
11	SC1890008989	DOE/WSRC SAVANNAH RIVER SITE	JACKSON	77
12	SCD981031040	SAFETY KLEEN SYSTEMS INC GREER	GREER	45
13	SCR000000752	PAXAR CORP	ROCK HILL	38
14	SCD003361805	METAL TRADES INC	YONGES ISLAND	32
15	SCD078061124	DELANAN FUEL METERING PRODUCTS OPERATION	BAMBERG	27
16	SCD003344496	SCHLUMBERGER RESOURCE MANAGEMENT SERV	WEST UNION	26
17	SCD987566981	INTERLAKE MATERIAL HANDLING DIV	SUMTER	26
18	SCD980839823	ASHLAND CHEMICAL CO-COLA	COLUMBIA	22
19	SCD085857753	MARK IV AUTOMOTIVE DAYCO FLUID HANDLING	EASLEY	18
20	SCD000417097	CROWN METRO INC	GREENVILLE	15
21	SCD003159753	ZENITH ENGRAVING CO INC	CHESTER	14
22	SCD037400892	COATES INKS USA INC	GREER	10
23	SCD000645747	BP OIL CO SWEETWATER TERMINAL	NORTH AUGUSTA	8
24	SC8170022620	USN-CHARLESTON NAVAL WEAPONS STATION	GOOSE CREEK	8
25	SCD083421982	HELIOCOFLEX COMPANY (COMPONENTS DIV)	COLUMBIA	6
26	SCR000004432	IRIX PHARMACEUTICALS INC DEACTIVATED	FLORENCE	6
27	SC9570090002	USAF-POINSETT ELECTRONIC COMBAT RANGE	WEDGEFIELD	5
28	SC0000328906	ANNEX TO CHARLESTON NAVAL COMPLEX	N CHARLESTON	5
29	SCD003363074	NORTH SAFETY PRODUCTS DIV OF SIEBE NORTH	CLOVER	4
30	SC1750216169	USMC AIR STATION	BEAUFORT	4
31	SCD981017080	VERMONT AMERICAN CORP-FOUNTAIN INN DIV	FOUNTAIN INN	3
32	SCD003344363	EI DUPONT DE NEMOURS & CO (MAY PLANT LUG	LUGOFF	3
33	SCD980845218	THOMAS & BETTS CORPORATION	GAFFNEY	3
34	SCD982116204	WESTINGHOUSE AIR BRAKE COMPANY	COLUMBIA	3
35	SCD062559331	NIPA HARDWICKE INC ROCK HILL	ROCKHILL	3
36	SCD003342938	ELISKIM INC	ANDERSON	3
37	SC7570024466	USAF-SHAW AIR FORCE BASE	SHAW AFB	3
38	SCD057554909	EAGLE AVIATION INCORPORATED	WEST COLUMBIA	3
39	SC3210020449	USATC & FORT JACKSON	FORT JACKSON	2
40	SCD982085813	MCO METAL FINISHING USA INC	ROCK HILL	2
41	SCD980603658	MCKECHNIE VEHICLE COMPONENTS	PROSPERITY	1
42	SCD061520557	FRIGIDAIRE HOME PRODUCT	ORANGEBURG	1
43	SCD000622688	COLONIAL PIPELINE CO (BELTON JCT FAC)	BELTON	1
43	SCD981866007	ENGELHARD CORPORATION	SENECA	1
45	SCD980848717	CARPENTER TECHNOLOGY CORPORATION	ORANGEBURG	1
46	SC3570024460	USAF-CHARLESTON AIR FORCE BASE	CHARLESTON AFB	1
47	SCD000623231	COLONIAL PIPELINE CO (SPART DEL FAC)	SPARTANBURG	1
48	SC6170022762	US MARINE CORPS-RECRUIT DEPOT	PARRIS ISLAND	1
49	SCD030091953	GE APPARATUS SERVICE CTR	GREENVILLE	1
50	SC0000468520	SAFETY COMPONENTS FABRIC TECHNOLOGIES	GREENVILLE	1
51	SC0690308309	US COAST GUARD-CHARLESTON	CHARLESTON	1

TOTAL

10,784

NOTE: STATE MAY HAVE FEWER THAN FIFTY GENERATORS.
GENERATORS WITH ZERO QUANTITY GENERATED ARE EXCLUDED.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

SOUTH CAROLINA

1997 WASTE GENERATION, CONTINUED

4 QUANTITIES OF WASTE GENERATED IN 1997 THAT WERE

- REPORTED WITH ONLY CHARACTERISTIC WASTE CODES
 - REPORTED WITH ONLY LISTED WASTE CODES
 - REPORTED WITH BOTH CHARACTERISTIC AND LISTED WASTE CODES

WASTE HAS ONLY CHARACTERISTIC CODES	TONS OF WASTE GENERATED	WASTE HAS ONLY LISTED CODES	TONS OF WASTE GENERATED	WASTE HAS BOTH CHARACTERISTIC AND LISTED CODES	TONS OF WASTE GENERATED
ONLY IGNITABLE	33	ONLY AN F CODE	1,313		
ONLY CORROSIVE	891	ONLY A K CODE	0		
ONLY REACTIVE	7	ONLY A P CODE	6		
ONLY D004-17	1,120	ONLY A U CODE	31		
ONLY D018-43	10				
HAS MORE THAN ONE CHARACTERISTIC CODE	60	HAS MORE THAN ONE LISTED CODE	0		
TOTAL	2,121	TOTAL	1,349	BOTH CHARACTERISTIC & LISTED	7,322

5 QUANTITIES OF WASTE GENERATED IN 1997 THAT WERE MULTIPLY CODED

WASTE HAS ONLY CHARACTERISTIC CODES BUT MORE THAN ONE APPLIES	TONS OF WASTE GENERATED	ONLY LISTED CODES BUT HAS MORE THAN ONE	TONS OF WASTE GENERATED	BOTH CHAR, AND LISTED CODES	TONS OF WASTE GENERATED
HAS IGNITABLE CODE	57			IGN. W/ AT LEAST 1 LSTD	7,309
HAS CORROSIVE CODE	4			CORR. W/ AT LEAST 1 LSTD	0
HAS REACTIVE CODE	1			REACT. W/ AT LEAST 1 LSTD	0
HAS D004-D017 CODE	51			D004-17 W/ AT LEAST 1 LSTD	3
HAS D018-D043 CODE	56			D018-43 W/ AT LEAST 1 LSTD	13
		HAS AN F CODE	0	F WASTE W/ AT LEAST 1 CHAR	7,318
		HAS A K CODE	0	K WASTE W/ AT LEAST 1 CHAR	0
		HAS A P CODE	0	P WASTE W/ AT LEAST 1 CHAR	0
		HAS A U CODE	0	U WASTE W/ AT LEAST 1 CHAR	9
TOTAL	60	TOTAL	0	TOTAL	7,322

NOTE: COLUMNS DO NOT SUM TO TOTAL BECAUSE A WASTE CODE MAY APPLY TO MORE THAN ONE WASTE.
 MIXTURES WITH IGNITABLE, CORROSIVE, REACTIVE, D004-17, AND D018-43 CHARACTERISTIC CODES ALSO MAY
 CONTAIN OTHER CHARACTERISTIC WASTE CODES.
 SIMILARLY, WASTES WITH F,K,P, AND U LISTED CODES MAY HAVE OTHER LISTED WASTE CODES.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

SOUTH CAROLINA

1997 WASTE MANAGEMENT

6 NUMBER OF RCRA TSD FACILITIES: 22

7 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED: 302,472 TONS

8 FIFTY LARGEST RCRA HAZARDOUS WASTE MANAGEMENT FACILITIES, 1997

RANK	EPA ID	SITE NAME	CITY	TONS OF WASTE MANAGED
----	-----	-----	----	-----
1	SCD070375985	LAIDLAW ENV SVS OF SC INC	PINEWOOD	142,052
2	SCD003368891	SAFETY KLEEN SYSTEMS INC HOLLY HILL	HOLLY HILL	56,079
3	SCD981467616	SAFETY KLEEN ROEBUCK INC	ROEBUCK	31,542
4	SCD077995488	SAFETY KLEEN SYSTEMS INC LEXINGTON	LEXINGTON	23,151
5	SCD036275626	SOUTHEASTERN CHEMICALS & SOLVENTS CO	SUMTER	22,466
6	SCD044442333	PETRO CHEM SC	ROCK HILL	21,886
7	SCD043384072	ALBEMARLE CORP ORANGEBURG PLT	ORANGEBURG	3,183
8	SCD980500052	3V INC	GEORGETOWN	2,099
9	SC9570090002	USAF-POINSETT ELECTRONIC COMBAT RANGE	WEDGEFIELD	11
10	SC1890008989	DOE/WSRC SAVANNAH RIVER SITE	JACKSON	2
11	SC8170022620	USN-CHARLESTON NAVAL WEAPONS STATION	GOOSE CREEK	1
TOTAL				302,472

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
 STATE MAY HAVE FEWER THAN FIFTY FACILITIES THAT MANAGED WASTE.
 FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

SOUTH CAROLINA

1997 WASTE MANAGEMENT, CONTINUED

9 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY MANAGEMENT METHOD, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
METALS RECOVERY (FOR REUSE)	M011-M019	1	.0	1	9.1
SOLVENTS RECOVERY	M021-M029	45,616	15.1	3	27.3
OTHER RECOVERY	M031-M039	23,987	7.9	4	36.4
INCINERATION	M041-M049	90,815	30.0	5	45.5
STABILIZATION	M111-M119	1	.0	1	9.1
LANDFILL	M132	142,052	47.0	1	9.1
TOTAL		302,472	100.0	11	

10 MANAGEMENT METHOD, BY QUANTITY OF RCRA HAZARDOUS WASTE MANAGED, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
LANDFILL	M132	142,052	47.0	1	9.1
INCINERATION	M041-M049	90,815	30.0	5	45.5
SOLVENTS RECOVERY	M021-M029	45,616	15.1	3	27.3
OTHER RECOVERY	M031-M039	23,987	7.9	4	36.4
STABILIZATION	M111-M119	1	.0	1	9.1
METALS RECOVERY (FOR REUSE)	M011-M019	1	.0	1	9.1
TOTAL		302,472	100.0	11	

11 MANAGEMENT METHOD AND QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY NUMBER OF FACILITIES, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
INCINERATION	M041-M049	90,815	30.0	5	45.5
OTHER RECOVERY	M031-M039	23,987	7.9	4	36.4
SOLVENTS RECOVERY	M021-M029	45,616	15.1	3	27.3
LANDFILL	M132	142,052	47.0	1	9.1
METALS RECOVERY (FOR REUSE)	M011-M019	1	.0	1	9.1
STABILIZATION	M111-M119	1	.0	1	9.1
TOTAL		302,472	100.0	11	

NOTE: FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.
COLUMNS MAY NOT SUM DUE TO ROUNDING.
COLUMNS MAY NOT SUM TO TOTAL BECAUSE FACILITIES MAY HAVE MULTIPLE HANDLING METHODS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

SOUTH CAROLINA

WASTE SHIPMENTS

TABLES 12, 13 AND 14 HAVE BEEN OMITTED FROM THIS REPORT BECAUSE THERE WERE NO FACILITIES IN SOUTH CAROLINA THAT REPORTED SHIPPING RCRA HAZARDOUS WASTE IN 1997.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

SOUTH CAROLINA

1997 WASTE RECEIPTS

15 NUMBER OF RCRA HAZARDOUS WASTE RECEIVERS: 9

16 QUANTITY OF RCRA HAZARDOUS WASTE RECEIVED: 413,322 TONS

17 FIFTY LARGEST RCRA HAZARDOUS WASTE RECEIVERS, 1997

RANK	EPA ID	SITE NAME	CITY	QUANTITY RECEIVED (TONS)
----	-----	-----	----	-----
1	SCD070375985	LAIDLAW ENV SVS OF SC INC	PINEWOOD	141,840
2	SCD003351699	GIANT CEMENT COMPANY	HARLEYVILLE	105,229
3	SCD003368891	SAFETY KLEEN SYSTEMS INC HOLLY HILL	HOLLY HILL	56,079
4	SCD077995488	SAFETY KLEEN SYSTEMS INC LEXINGTON	LEXINGTON	33,521
5	SCD981467616	SAFETY KLEEN ROEBUCK INC	ROEBUCK	32,931
6	SCD036275626	SOUTHEASTERN CHEMICALS & SOLVENTS CO	SUMTER	22,466
7	SCD044442333	PETRO CHEM SC	ROCK HILL	21,249
8	SC9570090002	USAF-POINSETT ELECTRONIC COMBAT RANGE	WEDGEFIELD	6
9	SCD069314045	MILLIKEN CHEMICAL-DEWEY PLANT	INMAN	1

TOTAL

413,322

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY FACILITIES THAT RECEIVED WASTE.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

SOUTH CAROLINA

1997 WASTE RECEIPTS, CONTINUED

18 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY MANAGEMENT METHOD,
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
SOLVENTS RECOVERY	M021-M029	45,616	15.4	2	28.6
OTHER RECOVERY	M031-M039	20,708	7.0	2	28.6
INCINERATION	M041-M049	87,599	29.6	3	42.9
STABILIZATION	M111-M119	1	.0	1	14.3
LANDFILL	M132	141,840	48.0	1	14.3
TOTAL		295,763	100.0	7	

19 MANAGEMENT METHOD, BY QUANTITY OF RCRA HAZARDOUS WASTE MANAGED
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
LANDFILL	M132	141,840	48.0	1	14.3
INCINERATION	M041-M049	87,599	29.6	3	42.9
SOLVENTS RECOVERY	M021-M029	45,616	15.4	2	28.6
OTHER RECOVERY	M031-M039	20,708	7.0	2	28.6
STABILIZATION	M111-M119	1	.0	1	14.3
TOTAL		295,763	100.0	7	

20 MANAGEMENT METHOD AND QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY NUMBER OF FACILITIES,
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
INCINERATION	M041-M049	87,599	29.6	3	42.9
SOLVENTS RECOVERY	M021-M029	45,616	15.4	2	28.6
OTHER RECOVERY	M031-M039	20,708	7.0	2	28.6
LANDFILL	M132	141,840	48.0	1	14.3
STABILIZATION	M111-M119	1	.0	1	14.3
TOTAL		295,763	100.0	7	

NOTE: FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.
COLUMNS MAY NOT SUM DUE TO ROUNDING.
COLUMNS MAY NOT SUM TO TOTAL BECAUSE FACILITIES MAY HAVE MULTIPLE HANDLING METHODS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

SOUTH CAROLINA

1997 IMPORTS AND EXPORTS

21 QUANTITY OF RCRA HAZARDOUS WASTE IMPORTED: 315,690 TONS

22 QUANTITY OF RCRA HAZARDOUS WASTE EXPORTED: 0 TONS

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

SOUTH DAKOTA

1997 WASTE GENERATION

1 NUMBER OF RCRA LARGE QUANTITY GENERATORS (LQGS): 21

2 QUANTITY OF RCRA HAZARDOUS WASTE GENERATED: 948 TONS

3 FIFTY LARGEST RCRA HAZARDOUS WASTE GENERATORS IN THE STATE, 1997

RANK	EPA ID	SITE NAME	CITY	TOTAL GENERATED (TONS)
----	-----	-----	----	-----
1	SDD078668696	3M BOOKINGS MEDICAL/SURGICAL DIVISION	BROOKINGS	309
2	SDD000716696	SAFETY-KLEEN CORP.	SIOUX FALLS	276
3	SDD981545577	STAR CIRCUITS, INC.	BROOKINGS	68
4	SDD096407838	ALUMAX EXTRUSIONS, INC.	YANKTON	61
5	SDD982596942	ANGUS INDUSTRIES, INC. DBA ANGUS-PALM	WATERTOWN	59
6	SDD007262215	DALE ELECTRONICS, INC.	YANKTON	22
7	SDD049521511	DAKTRONICS, INC.	BROOKINGS	22
8	SDD094698321	STARMARK, INCORPORATED	SIOUX FALLS	17
9	SDD982649766	TRAIL KING INDUSTRIES, INC.	MITCHELL	16
10	SD2571924644	ELLSWORTH AIR FORCE BASE	ELLSWORTH AFB	15
11	SDD078013760	CR INDUSTRIES, INC.	SPRINGFIELD	14
12	SDD061536843	WHEELER LUMBER	WHITEWOOD	13
13	SDD000003855	CCL LABEL	SIOUX FALLS	13
14	SDD982649717	JOHN MORRELL & CO.	SIOUX FALLS	13
15	SDD093919660	SHELD AHL, INC.	ABERDEEN	8
16	SDD006167407	WHEELER MFG. CO., INC.	LEMMON	8
17	SDR000000752	RMR INDUSTRIES	WATERTOWN	5
18	SDD987673753	ENRON NORTHERN NATURAL GAS COMPANY	HARRISBURG	4
19	SDD980951370	T & R SERVICE COMPANY	COLMAN	3
20	SDR000002618	USEPA CLEAN UP - FAWICK PARK	SIOUX FALLS	1
TOTAL				948

NOTE: STATE MAY HAVE FEWER THAN FIFTY GENERATORS.
GENERATORS WITH ZERO QUANTITY GENERATED ARE EXCLUDED.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

SOUTH DAKOTA

1997 WASTE GENERATION, CONTINUED

4 QUANTITIES OF WASTE GENERATED IN 1997 THAT WERE

- REPORTED WITH ONLY CHARACTERISTIC WASTE CODES
 - REPORTED WITH ONLY LISTED WASTE CODES
 - REPORTED WITH BOTH CHARACTERISTIC AND LISTED WASTE CODES

WASTE HAS ONLY CHARACTERISTIC CODES	TONS OF WASTE GENERATED	WASTE HAS ONLY LISTED CODES	TONS OF WASTE GENERATED	WASTE HAS BOTH CHARACTERISTIC AND LISTED CODES	TONS OF WASTE GENERATED
ONLY IGNITABLE	45	ONLY AN F CODE	138		
ONLY CORROSIVE	1	ONLY A K CODE	0		
ONLY REACTIVE	0	ONLY A P CODE	0		
ONLY D004-17	37	ONLY A U CODE	0		
ONLY D018-43	7				
HAS MORE THAN ONE CHARACTERISTIC CODE	335	HAS MORE THAN ONE LISTED CODE	0		
TOTAL	424	TOTAL	138	BOTH CHARACTERISTIC & LISTED	385

5 QUANTITIES OF WASTE GENERATED IN 1997 THAT WERE MULTIPLY CODED

WASTE HAS ONLY CHARACTERISTIC CODES BUT MORE THAN ONE APPLIES	TONS OF WASTE GENERATED	ONLY LISTED CODES BUT HAS MORE THAN ONE	TONS OF WASTE GENERATED	BOTH CHAR, AND LISTED CODES	TONS OF WASTE GENERATED
HAS IGNITABLE CODE	284			IGN. W/ AT LEAST 1 LSTD	383
HAS CORROSIVE CODE	48			CORR. W/ AT LEAST 1 LSTD	0
HAS REACTIVE CODE	0			REACT. W/ AT LEAST 1 LSTD	0
HAS D004-D017 CODE	332			D004-17 W/ AT LEAST 1 LSTD	4
HAS D018-D043 CODE	284			D018-43 W/ AT LEAST 1 LSTD	88
		HAS AN F CODE	0	F WASTE W/ AT LEAST 1 CHAR	385
		HAS A K CODE	0	K WASTE W/ AT LEAST 1 CHAR	0
		HAS A P CODE	0	P WASTE W/ AT LEAST 1 CHAR	0
		HAS A U CODE	0	U WASTE W/ AT LEAST 1 CHAR	0
TOTAL	335	TOTAL	0	TOTAL	385

NOTE: COLUMNS DO NOT SUM TO TOTAL BECAUSE A WASTE CODE MAY APPLY TO MORE THAN ONE WASTE.
 MIXTURES WITH IGNITABLE, CORROSIVE, REACTIVE, D004-17, AND D018-43 CHARACTERISTIC CODES ALSO MAY
 CONTAIN OTHER CHARACTERISTIC WASTE CODES.
 SIMILARLY, WASTES WITH F,K,P, AND U LISTED CODES MAY HAVE OTHER LISTED WASTE CODES.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

SOUTH DAKOTA

1997 WASTE MANAGEMENT

6 NUMBER OF RCRA TSD FACILITIES: 2

7 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED: 0 TONS

TABLES 8, 9, 10 AND 11 HAVE BEEN OMITTED FROM THIS REPORT BECAUSE THERE WERE NO FACILITIES IN SOUTH DAKOTA THAT REPORTED MANAGING RCRA HAZARDOUS WASTE IN 1997 OTHER THAN AS A STORAGE ONLY FACILITY.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

SOUTH DAKOTA

1997 WASTE SHIPMENTS

12 NUMBER OF RCRA HAZARDOUS WASTE SHIPPERS: 21

13 QUANTITY OF RCRA HAZARDOUS WASTE SHIPPED: 956 TONS

14 FIFTY LARGEST RCRA HAZARDOUS WASTE SHIPPERS, 1997

RANK	EPA ID	SITE NAME	CITY	QUANTITY SHIPPED (TONS)
----	-----	-----	----	-----
1	SDD078668696	3M BOOKINGS MEDICAL/SURGICAL DIVISION	BROOKINGS	309
2	SDD000716696	SAFETY-KLEEN CORP.	SIOUX FALLS	305
3	SDD981545577	STAR CIRCUITS, INC.	BROOKINGS	72
4	SDD096407838	ALUMAX EXTRUSIONS, INC.	YANKTON	61
5	SD0000852491	SD DEPT. OF AGRICULTURE - AG. SERVICES	PIERRE	24
6	SDD049521511	DAKTRONICS, INC.	BROOKINGS	21
7	SD2571924644	ELLSWORTH AIR FORCE BASE	ELLSWORTH AFB	20
8	SDD007262215	DALE ELECTRONICS, INC.	YANKTON	17
9	SDD094698321	STARMARK, INCORPORATED	SIOUX FALLS	17
10	SDD982596942	ANGUS INDUSTRIES, INC. DBA ANGUS-PALM	WATERTOWN	17
11	SDD982649766	TRAIL KING INDUSTRIES, INC.	MITCHELL	16
12	SDD061536843	WHEELER LUMBER	WHITEWOOD	16
13	SDD078013760	CR INDUSTRIES, INC.	SPRINGFIELD	14
14	SDD000003855	CCL LABEL	SIOUX FALLS	12
15	SDD982649717	JOHN MORRELL & CO.	SIOUX FALLS	9
16	SDD093919660	SHELD AHL, INC.	ABERDEEN	8
17	SDD006167407	WHEELER MFG. CO., INC.	LEMMON	6
18	SDR000000752	RMR INDUSTRIES	WATERTOWN	4
19	SDD987673753	ENRON NORTHERN NATURAL GAS COMPANY	HARRISBURG	4
20	SDD980951370	T & R SERVICE COMPANY	COLMAN	3
21	SDR000002618	USEPA CLEAN UP - FAWICK PARK	SIOUX FALLS	1

TOTAL				956
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NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY SHIPPERS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

SOUTH DAKOTA

1997 WASTE RECEIPTS

15 NUMBER OF RCRA HAZARDOUS WASTE RECEIVERS: 1

16 QUANTITY OF RCRA HAZARDOUS WASTE RECEIVED: 255 TONS

17 FIFTY LARGEST RCRA HAZARDOUS WASTE RECEIVERS, 1997

RANK	EPA ID	SITE NAME	CITY	QUANTITY RECEIVED (TONS)
----	-----	-----	----	-----
1	SDD000716696	SAFETY-KLEEN CORP.	SIOUX FALLS	255
TOTAL				255

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY FACILITIES THAT RECEIVED WASTE.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

SOUTH DAKOTA

1997 WASTE RECEIPTS, CONTINUED

TABLES 18, 19 AND 20 HAVE BEEN OMITTED FROM THIS REPORT BECAUSE THERE WERE NO FACILITIES IN SOUTH DAKOTA THAT REPORTED RECEIVING RCRA HAZARDOUS WASTE FROM OFFSITE IN 1997 OTHER THAN STORAGE ONLY FACILITIES.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

SOUTH DAKOTA

1997 IMPORTS AND EXPORTS

21	QUANTITY OF RCRA HAZARDOUS WASTE IMPORTED:	96 TONS
22	QUANTITY OF RCRA HAZARDOUS WASTE EXPORTED:	954 TONS

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

TENNESSEE

1997 WASTE GENERATION

1 NUMBER OF RCRA LARGE QUANTITY GENERATORS (LQGS): 461

2 QUANTITY OF RCRA HAZARDOUS WASTE GENERATED: 745,458 TONS

3 FIFTY LARGEST RCRA HAZARDOUS WASTE GENERATORS IN THE STATE, 1997

RANK	EPA ID	SITE NAME	CITY	TOTAL GENERATED (TONS)
1	TND003376928	TENN EASTMAN DIVISION OF EASTMAN CHEMICA	KINGSPORT	177,517
2	TND982139115	UNISYS EARHART SITE, BRISTOL, TN	BRISTOL	126,418
3	TND053983862	ALLTRISTA ZINC PRODUCTS L.P.	GREENEVILLE	120,187
4	TND095050019	YALE SECURITY INC.	LENOIR CITY	79,517
5	TND981922826	LAIDLAW ENVIRONMENTAL SERVICES OF NASHVI	NASHVILLE	49,737
6	TND067690040	REFINED METALS CORPORATION	MEMPHIS	25,572
7	TND004048690	GENERAL SMELTING & REFINING, INC.	COLLEGE GROVE	24,283
8	TND071530620	SNAP-ON TOOLS CORPORATION	JOHNSON CITY	16,982
9	TND980709950	ROBERTSHAW TENNESSEE	CARTHAGE	15,988
10	TND000645770	SAFETY-KLEEN (TS) INC	GREENBRIER	8,884
11	TND081460651	SAVAGE ZINC INC	CLARKSVILLE	8,853
12	TND981920119	ALLWORTH OF TN, INC.	MOUNT PLEASANT	8,294
13	TND047000898	WILLIAM L BONNELL CO., INC., THE	CARTHAGE	7,787
14	TND003332012	WHELAND FOUNDRY DIV OF N AMERICAN ROYALT	CHATTANOOGA	7,183
15	TND980847024	EXCEL TSD INC	MEMPHIS	6,914
16	TND000614321	SAFETY-KLEEN SERVICES (GS) INC	MILLINGTON	5,747
17	TND002992287	AMERISTEEL	JACKSON	4,878
18	TN0000590612	EXIDE CORPORATION	BRISTOL	3,243
19	TND007024664	VELSICOL CHEMICAL	MEMPHIS	3,028
20	TND007026958	MAPCO PETROLEUM INC	MEMPHIS	2,719
21	TND061314803	VELSICOL CHEMICAL CORP	CHATTANOOGA	2,598
22	TN3890090001	U.S. DOE Y-12 PLANT	OAK RIDGE	1,795
23	TND101768182	CALSONIC MANUFACTURING CORP.	SHELBYVILLE	1,771
24	TN0890090004	US DEPT OF ENERGY E TN TECHNOLOGY PARK	OAK RIDGE	1,602
25	TND095686473	HOEGANAES CORPORATION, GALLATIN PLANT	GALLATIN	1,525
26	TND054481205	NISSAN MOTOR MANUFACTURING CORPORATION,	SMYRNA	1,434
27	TND083525634	ZENECA INC WEST	MT PLEASANT	1,402
28	TND041150533	AMERISTEEL KNOXVILLE STEEL MILL DIV.	KNOXVILLE	1,222
29	TND078217726	NASHVILLE THERMAL TRANSFER CORPORATION	NASHVILLE	1,199
30	TND003383551	ALUMINUM COMPANY OF AMERICA-SOUTH PLANT	ALCOA	1,137
31	TND007024672	E I DUPONT DE NEMOURS & CO INC	MEMPHIS	1,070
32	TND987789583	ICI ACRYLICS- MEMPHIS (FITE RD)	MEMPHIS	1,026
33	TND982157570	GTS	OAK RIDGE	906
34	TND987777695	SAFETY-KLEEN CORP	KNOXVILLE	863
35	TND037909348	AFG INDUSTRIES INC GREENLAND PLANT	CHURCH HILL	844
36	TND981474125	SAFETY-KLEEN SYSTEMS INC 3-109-01	NASHVILLE	839
37	TN0210020582	MILAN ARMY AMMUNITION PLANT	MILAN	835
38	TND991279480	PERMA-FIX ENVIRONMENTAL SERVICES, INC.	MEMPHIS	672
39	TND078565249	GENERAL ELECTRIC CO	SELMER	568
40	TND007017288	W.M. BARR & COMPANY, INC	MEMPHIS	560
41	TND004038550	ZENECA INC EAST	MT PLEASANT	556
42	TND048120083	PETERBILT MOTORS CO	MADISON	544
43	TND120603170	QO CHEMICALS INC A SUBSIDIARY OF GREAT L	MEMPHIS	538
44	TND980316301	U.S. PIPE & FOUNDRY CO.-VALVE & FITTING	CHATTANOOGA	525
45	TND982152324	BEKAERT CORPORATION DYERSBURG	INDUSTRIAL PARK	505
46	TND008041717	NORTH AMERICAN GALVANIZING CO	NASHVILLE	478
47	TND034871350	ARVIN/GABRIEL RIDE CONTROL PRODUCTS	PULASKI	393
48	TND007022072	HARMAN AUTOMOTIVE INC	BOLIVAR	383
49	TND981468648	SATURN CORPORATION	SPRING HILL	369
50	TND003337292	OLIN CORPORATION - CHARLESTON PLANT	CHARLESTON	359

TOTAL

732,250

NOTE: STATE MAY HAVE FEWER THAN FIFTY GENERATORS.
GENERATORS WITH ZERO QUANTITY GENERATED ARE EXCLUDED.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

TENNESSEE

1997 WASTE GENERATION, CONTINUED

4 QUANTITIES OF WASTE GENERATED IN 1997 THAT WERE

- REPORTED WITH ONLY CHARACTERISTIC WASTE CODES
 - REPORTED WITH ONLY LISTED WASTE CODES
 - REPORTED WITH BOTH CHARACTERISTIC AND LISTED WASTE CODES

WASTE HAS ONLY CHARACTERISTIC CODES	TONS OF WASTE GENERATED	WASTE HAS ONLY LISTED CODES	TONS OF WASTE GENERATED	WASTE HAS BOTH CHARACTERISTIC AND LISTED CODES	TONS OF WASTE GENERATED
ONLY IGNITABLE	2,826	ONLY AN F CODE	318,251		
ONLY CORROSIVE	27,129	ONLY A K CODE	7,508		
ONLY REACTIVE	885	ONLY A P CODE	305		
ONLY D004-17	77,088	ONLY A U CODE	127,245		
ONLY D018-43	1,557				
HAS MORE THAN ONE CHARACTERISTIC CODE	127,956	HAS MORE THAN ONE LISTED CODE	168		
TOTAL	237,440	TOTAL	453,477	BOTH CHARACTERISTIC & LISTED	54,210

5 QUANTITIES OF WASTE GENERATED IN 1997 THAT WERE MULTIPLY CODED

WASTE HAS ONLY CHARACTERISTIC CODES BUT MORE THAN ONE APPLIES	TONS OF WASTE GENERATED	ONLY LISTED CODES BUT HAS MORE THAN ONE	TONS OF WASTE GENERATED	BOTH CHAR, AND LISTED CODES	TONS OF WASTE GENERATED
HAS IGNITABLE CODE	15,116			IGN. W/ AT LEAST 1 LSTD	37,690
HAS CORROSIVE CODE	117,148			CORR. W/ AT LEAST 1 LSTD	8,556
HAS REACTIVE CODE	2,547			REACT. W/ AT LEAST 1 LSTD	2,358
HAS D004-D017 CODE	119,649			D004-17 W/ AT LEAST 1 LSTD	17,446
HAS D018-D043 CODE	10,739			D018-43 W/ AT LEAST 1 LSTD	11,300
		HAS AN F CODE	110	F WASTE W/ AT LEAST 1 CHAR	41,744
		HAS A K CODE	16	K WASTE W/ AT LEAST 1 CHAR	11,907
		HAS A P CODE	73	P WASTE W/ AT LEAST 1 CHAR	2,185
		HAS A U CODE	136	U WASTE W/ AT LEAST 1 CHAR	3,690
TOTAL	127,956	TOTAL	168	TOTAL	54,210

NOTE: COLUMNS DO NOT SUM TO TOTAL BECAUSE A WASTE CODE MAY APPLY TO MORE THAN ONE WASTE.
 MIXTURES WITH IGNITABLE, CORROSIVE, REACTIVE, D004-17, AND D018-43 CHARACTERISTIC CODES ALSO MAY
 CONTAIN OTHER CHARACTERISTIC WASTE CODES.
 SIMILARLY, WASTES WITH F,K,P, AND U LISTED CODES MAY HAVE OTHER LISTED WASTE CODES.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

TENNESSEE

1997 WASTE MANAGEMENT

6 NUMBER OF RCRA TSD FACILITIES: 30

7 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED: 403,094 TONS

8 FIFTY LARGEST RCRA HAZARDOUS WASTE MANAGEMENT FACILITIES, 1997

RANK	EPA ID	SITE NAME	CITY	TONS OF WASTE MANAGED
----	-----	-----	----	-----
1	TND003376928	TENN EASTMAN DIVISION OF EASTMAN CHEMICA	KINGSPORT	176,053
2	TND981922826	LAIDLAW ENVIRONMENTAL SERVICES OF NASHVI	NASHVILLE	135,149
3	TND000772277	SAFETY KLEEN (WT) INC	ANTIOCH	35,232
4	TND067690040	REFINED METALS CORPORATION	MEMPHIS	30,380
5	TND000645770	SAFETY-KLEEN (TS) INC	GREENBRIER	9,143
6	TND000614321	SAFETY-KLEEN SERVICES (GS) INC	MILLINGTON	6,862
7	TND007024664	VELSICOL CHEMICAL	MEMPHIS	2,612
8	TN0890090004	US DEPT OF ENERGY E TN TECHNOLOGY PARK	OAK RIDGE	1,314
9	TND061314803	VELSICOL CHEMICAL CORP	CHATTANOOGA	1,281
10	TN0210020582	MILAN ARMY AMMUNITION PLANT	MILAN	791
11	TND987777695	SAFETY-KLEEN CORP	KNOXVILLE	744
12	TND980847024	EXCEL TSD INC	MEMPHIS	671
13	TND981474125	SAFETY-KLEEN SYSTEMS INC 3-109-01	NASHVILLE	633
14	TN3890090001	U.S. DOE Y-12 PLANT	OAK RIDGE	506
15	TND000772186	POLLUTION CONTROL INDUSTRIES (PCI)-MEMPH	MILLINGTON	383
16	TND003337292	OLIN CORPORATION - CHARLESTON PLANT	CHARLESTON	346
17	TND987789583	ICI ACRYLICS- MEMPHIS (FITE RD)	MEMPHIS	303
18	TND991279480	PERMA-FIX ENVIRONMENTAL SERVICES, INC.	MEMPHIS	247
19	TN1890090003	U.S. DOE, OAK RIDGE NATIONAL LABORATORY	OAK RIDGE	143
20	TND982109142	DIVERSIFIED SCIENTIFIC SERVICES INC (DSS	KINGSTON	92
21	TND058660390	ROHM AND HAAS COMPANY	KNOXVILLE	66
22	TND003331766	E. I. DU PONT DE NEMOURS & CO INC	CHATTANOOGA	57
23	TN8570024044	ARNOLD ENGINEERING DEVELOPMENT CENTER/SD	TULLAHOMA	33
24	TN5210020421	HOLSTON ARMY AMMUNITION PLANT	KINGSPORT	24
25	TN4210020570	MEMPHIS DEPOT CARETAKER	MEMPHIS	21
26	TN2170022600	NAVAL SUPPORT ACTIVITY MID-SOUTH	MEMPHIS	6
27	TND981920119	ALLWORTH OF TN, INC.	MOUNT PLEASANT	1
28	TN5210020140	101ST AIRBORNE DIVISION (AIR ASSAULT) &	BORDER	0
TOTAL				403,094

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY FACILITIES THAT MANAGED WASTE.
FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

TENNESSEE

1997 WASTE MANAGEMENT, CONTINUED

9 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY MANAGEMENT METHOD, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
SOLVENTS RECOVERY	M021-M029	413	.1	4	14.3
INCINERATION	M041-M049	189,425	47.0	22	78.6
STABILIZATION	M111-M119	23	.0	3	10.7
LANDFILL	M132	38,576	9.6	10	35.7
DEEPWELL / UNDERGROUND INJECTION	M134	171	.0	5	17.9
OTHER DISPOSAL SPECIFIED IN COMMENTS	M137	174,486	43.3	19	67.9
TOTAL		403,094	100.0	28	

10 MANAGEMENT METHOD, BY QUANTITY OF RCRA HAZARDOUS WASTE MANAGED, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
INCINERATION	M041-M049	189,425	47.0	22	78.6
OTHER DISPOSAL SPECIFIED IN COMMENTS	M137	174,486	43.3	19	67.9
LANDFILL	M132	38,576	9.6	10	35.7
SOLVENTS RECOVERY	M021-M029	413	.1	4	14.3
DEEPWELL / UNDERGROUND INJECTION	M134	171	.0	5	17.9
STABILIZATION	M111-M119	23	.0	3	10.7
TOTAL		403,094	100.0	28	

11 MANAGEMENT METHOD AND QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY NUMBER OF FACILITIES, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
INCINERATION	M041-M049	189,425	47.0	22	78.6
OTHER DISPOSAL SPECIFIED IN COMMENTS	M137	174,486	43.3	19	67.9
LANDFILL	M132	38,576	9.6	10	35.7
DEEPWELL / UNDERGROUND INJECTION	M134	171	.0	5	17.9
SOLVENTS RECOVERY	M021-M029	413	.1	4	14.3
STABILIZATION	M111-M119	23	.0	3	10.7
TOTAL		403,094	100.0	28	

NOTE: FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.
COLUMNS MAY NOT SUM DUE TO ROUNDING.
COLUMNS MAY NOT SUM TO TOTAL BECAUSE FACILITIES MAY HAVE MULTIPLE HANDLING METHODS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

TENNESSEE

1997 WASTE SHIPMENTS

12 NUMBER OF RCRA HAZARDOUS WASTE SHIPPERS: 371

13 QUANTITY OF RCRA HAZARDOUS WASTE SHIPPED: 74,954 TONS

14 FIFTY LARGEST RCRA HAZARDOUS WASTE SHIPPERS, 1997

RANK	EPA ID	SITE NAME	CITY	QUANTITY SHIPPED (TONS)
----	-----	-----	----	-----
1	TND000645770	SAFETY-KLEEN (TS) INC	GREENBRIER	8,863
2	TND981920119	ALLWORTH OF TN, INC.	MOUNT PLEASANT	8,293
3	TND980847024	EXCEL TSD INC	MEMPHIS	6,633
4	TND981922826	LAIDLAW ENVIRONMENTAL SERVICES OF NASHVI	NASHVILLE	6,185
5	TND000614321	SAFETY-KLEEN SERVICES (GS) INC	MILLINGTON	5,420
6	TND002992287	AMERISTEEL	JACKSON	3,368
7	TND003376928	TENN EASTMAN DIVISION OF EASTMAN CHEMICA	KINGSPORT	2,062
8	TND007026958	MAPCO PETROLEUM INC	MEMPHIS	1,987
9	TND095686473	HOEGANAES CORPORATION, GALLATIN PLANT	GALLATIN	1,525
10	TN3890090001	U.S. DOE Y-12 PLANT	OAK RIDGE	1,428
11	TND083525634	ZENECA INC WEST	MT PLEASANT	1,389
12	TND061314803	VELSICOL CHEMICAL CORP	CHATTANOOGA	1,317
13	TND041150533	AMERISTEEL KNOXVILLE STEEL MILL DIV.	KNOXVILLE	1,222
14	TND078217726	NASHVILLE THERMAL TRANSFER CORPORATION	NASHVILLE	1,199
15	TND003383551	ALUMINUM COMPANY OF AMERICA-SOUTH PLANT	ALCOA	1,137
16	TN0890090004	US DEPT OF ENERGY E TN TECHNOLOGY PARK	OAK RIDGE	1,061
17	TND037909348	AFG INDUSTRIES INC GREENLAND PLANT	CHURCH HILL	844
18	TND981474125	SAFETY-KLEEN SYSTEMS INC 3-109-01	NASHVILLE	801
19	TND067690040	REFINED METALS CORPORATION	MEMPHIS	763
20	TND987789583	ICI ACRYLICS- MEMPHIS (FITE RD)	MEMPHIS	732
21	TND991279480	PERMA-FIX ENVIRONMENTAL SERVICES, INC.	MEMPHIS	672
22	TND004038550	ZENECA INC EAST	MT PLEASANT	554
23	TND120603170	QO CHEMICALS INC A SUBSIDIARY OF GREAT L	MEMPHIS	539
24	TND982152324	BEKAERT CORPORATION DYERSBURG	INDUSTRIAL PARK	516
25	TND048120083	PETERBILT MOTORS CO	MADISON	509
26	TND008041717	NORTH AMERICAN GALVANIZING CO	NASHVILLE	501
27	TND078565249	GENERAL ELECTRIC CO	SELMER	477
28	TND987777695	SAFETY-KLEEN CORP	KNOXVILLE	452
29	TN0000590612	EXIDE CORPORATION	BRISTOL	429
30	TND007024664	VELSICOL CHEMICAL	MEMPHIS	417
31	TND034871350	ARVIN/GABRIEL RIDE CONTROL PRODUCTS	PULASKI	393
32	TND007022072	HARMAN AUTOMOTIVE INC	BOLIVAR	388
33	TND981468648	SATURN CORPORATION	SPRING HILL	369
34	TND004044780	MURRAY INC	LAWRENCEBURG	305
35	TND066723263	DP HOLDINGS INC DBA DAVIS PIPE	BLOUNTVILLE	302
36	TND982157570	GTS	OAK RIDGE	288
37	TNR000004366	NOVA CHEMICALS INCORPORATED	CHATTANOOGA	283
38	TND106292600	ICI ACRYLICS, INC	MEMPHIS	266
39	TND030686430	WESTVACO-CONSUMER PACKAGING DIVISION	CLEVELAND	254
40	TND047001979	E. I. DUPONT DE NEMOURS & CO.	OLD HICKORY	251
41	TN0000188383	ALLSTEEL INC	MILAN	247
42	TN1890090003	U.S. DOE, OAK RIDGE NATIONAL LABORATORY	OAK RIDGE	239
43	TNR0000001842	DELTA FAUCET COMPANY OF TENNESSEE INC	JACKSON	239
44	TN0000317289	SAFETY-KLEEN SYSTEMS INC (3-026-01)	PINEY FLATS	232
45	TND000772186	POLLUTION CONTROL INDUSTRIES (PCI)-MEMPH	MILLINGTON	228
46	TND007772668	NOVARTIS ANIMAL HEALTH INC	MEMPHIS	225
47	TND054481205	NISSAN MOTOR MANUFACTURING CORPORATION,	SMYRNA	217
48	TND980837892	EASTERN PLATING INC	NEWPORT	209
49	TND007017288	W.M. BARR & COMPANY, INC	MEMPHIS	194
50	TND063939417	ORMET ALUMINUM MILL PRODUCTS CORP	JACKSON	189

TOTAL

66,608

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY SHIPPERS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

TENNESSEE**1997 WASTE RECEIPTS**

15 NUMBER OF RCRA HAZARDOUS WASTE RECEIVERS: 13

16 QUANTITY OF RCRA HAZARDOUS WASTE RECEIVED: 59,481 TONS

17 FIFTY LARGEST RCRA HAZARDOUS WASTE RECEIVERS, 1997

RANK	EPA ID	SITE NAME	CITY	QUANTITY RECEIVED (TONS)
----	-----	-----	----	-----
1	TND000772277	SAFETY KLEEN (WT) INC	ANTIOCH	35,232
2	TND000645770	SAFETY-KLEEN (TS) INC	GREENBRIER	9,143
3	TND000614321	SAFETY-KLEEN SERVICES (GS) INC	MILLINGTON	6,535
4	TND067690040	REFINED METALS CORPORATION	MEMPHIS	5,571
5	TN0890090004	US DEPT OF ENERGY E TN TECHNOLOGY PARK	OAK RIDGE	732
6	TND981474125	SAFETY-KLEEN SYSTEMS INC 3-109-01	NASHVILLE	630
7	TND000772186	POLLUTION CONTROL INDUSTRIES (PCI)-MEMPH	MILLINGTON	382
8	TND987777695	SAFETY-KLEEN CORP	KNOXVILLE	333
9	TND991279480	PERMA-FIX ENVIRONMENTAL SERVICES, INC.	MEMPHIS	247
10	TND980847024	EXCEL TSD INC	MEMPHIS	213
11	TND003376928	TENN EASTMAN DIVISION OF EASTMAN CHEMICA	KINGSPORT	212
12	TN3890090001	U.S. DOE Y-12 PLANT	OAK RIDGE	156
13	TN1890090003	U.S. DOE, OAK RIDGE NATIONAL LABORATORY	OAK RIDGE	97
TOTAL				59,481

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY FACILITIES THAT RECEIVED WASTE.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

TENNESSEE

1997 WASTE RECEIPTS, CONTINUED

18 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY MANAGEMENT METHOD,
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
SOLVENTS RECOVERY	M021-M029	0	.0	1	7.7
INCINERATION	M041-M049	6,228	10.5	3	23.1
STABILIZATION	M111-M119	22	.0	2	15.4
LANDFILL	M132	35,586	59.8	4	30.8
DEEPWELL / UNDERGROUND INJECTION	M134	161	.3	2	15.4
OTHER DISPOSAL SPECIFIED IN COMMENTS	M137	17,483	29.4	11	84.6
TOTAL		59,481	100.0	13	

19 MANAGEMENT METHOD, BY QUANTITY OF RCRA HAZARDOUS WASTE MANAGED
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
LANDFILL	M132	35,586	59.8	4	30.8
OTHER DISPOSAL SPECIFIED IN COMMENTS	M137	17,483	29.4	11	84.6
INCINERATION	M041-M049	6,228	10.5	3	23.1
DEEPWELL / UNDERGROUND INJECTION	M134	161	.3	2	15.4
STABILIZATION	M111-M119	22	.0	2	15.4
SOLVENTS RECOVERY	M021-M029	0	.0	1	7.7
TOTAL		59,481	100.0	13	

20 MANAGEMENT METHOD AND QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY NUMBER OF FACILITIES,
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
OTHER DISPOSAL SPECIFIED IN COMMENTS	M137	17,483	29.4	11	84.6
LANDFILL	M132	35,586	59.8	4	30.8
INCINERATION	M041-M049	6,228	10.5	3	23.1
DEEPWELL / UNDERGROUND INJECTION	M134	161	.3	2	15.4
STABILIZATION	M111-M119	22	.0	2	15.4
SOLVENTS RECOVERY	M021-M029	0	.0	1	7.7
TOTAL		59,481	100.0	13	

NOTE: FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.
COLUMNS MAY NOT SUM DUE TO ROUNDING.
COLUMNS MAY NOT SUM TO TOTAL BECAUSE FACILITIES MAY HAVE MULTIPLE HANDLING METHODS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

TENNESSEE

1997 IMPORTS AND EXPORTS

21	QUANTITY OF RCRA HAZARDOUS WASTE IMPORTED:	46,949 TONS
22	QUANTITY OF RCRA HAZARDOUS WASTE EXPORTED:	65,079 TONS

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

TEXAS

1997 WASTE GENERATION

1 NUMBER OF RCRA LARGE QUANTITY GENERATORS (LQGS): 1,219

2 QUANTITY OF RCRA HAZARDOUS WASTE GENERATED: 18,973,406 TONS

3 FIFTY LARGEST RCRA HAZARDOUS WASTE GENERATORS IN THE STATE, 1997

RANK	EPA ID	SITE NAME	CITY	TOTAL GENERATED (TONS)
1	TXD008123317	DU PONT DE NEMOURS & CO., E.I.	VICTORIA	4,296,699
2	TXD008080533	TEXAS CITY REFINERY - AMOCO OIL CO	TEXAS CITY	2,646,383
3	TXD001700806	CHOCOLATE BAYOU PLANT	ALVIN	2,607,584
4	TXD008081101	BEAUMONT WORKS	BEAUMONT	1,391,542
5	TXD059685339	DIAMOND SHAMROCK REFINING COMPANY - MCKE	SUNRAY	1,332,422
6	TXD000751172	GREEN LAKE FACILITY	BLOOMINGTON	1,110,873
7	TXD008079642	SABINE RIVER WORKS	ORANGE	980,377
8	TXD008106999	MERICHEM - SASOL USA LLC.	HOUSTON	552,486
9	TXD007330202	EASTMAN CHEMICAL COMPANY	LONGVIEW	484,849
10	TXD008079527	STERLING CHEMICALS, INC.	TEXAS CITY	469,544
11	TXD083472266	ARCO CHEMICAL	CHANNELVIEW	441,114
12	TXD078432457	CELANESE LTD. CLEAR LAKE PLANT	PASADENA	404,577
13	TXD087491973	SOUTHWESTERN COPPER DIV; AMARILLO COPPER	AMARILLO	290,965
14	TXD008081697	BASF CORPORATION	FREEPORT	257,014
15	TXD026481523	GALENA PARK TERMINAL	GALENA PARK	196,633
16	TXD008092793	DOW CHEMICAL COMPANY - OYSTER CREEK SITE	FREEPORT	171,015
17	TXD058275769	CHANNELVIEW COMPLEX	CHANNELVIEW	82,852
18	TXD049213127	MARSHALL FACILITY	MARSHALL	74,101
19	TX0000201202	PO/MTBE PLANT	PORT NECHES	59,860
20	TXD058265067	BAYPORT FACILITY - ARCO CHEMICAL CO	PASADENA	54,847
21	TXD990797714	MOBIL OIL CORPORATION - BEAUMONT REFINER	BEAUMONT	48,147
22	TXD077603371	SAFETY-KLEEN CORP.	DENTON	42,918
23	TXD007376700	CHEMICAL GROUP PAMPA PLANT	PAMPA	42,143
24	TXD987986734	CHEMICAL RESOURCE PROCESSING - INC.	DEER PARK	36,480
25	TXD067285973	SHELL OIL COMPANY - DEER PARK	DEER PARK	35,056
26	TXD008079212	DUPONT AGRICULTURAL PRODUCTS LA PORTE PL	LA PORTE	34,785
27	TXD000742304	GIBRALTAR CHEMICAL RESOURCES, INC.-FORME	TYLER	26,299
28	TXD008132268	A SUBSIDIARY OF THE COASTAL CORPORATION-	CORPUS CHRISTI	25,632
29	TXD000719518	DISPOSAL SYSTEMS INC.	DEER PARK	25,073
30	TXD982286932	INGLESIDE PLANT	GREGORY	22,411
31	TXD000838896	CHEMICAL WASTE MANAGEMENT, INC	PORT ARTHUR	21,272
32	TXD000461533	TEXAS CITY PLANT, MAIN PLANT FACILITY	TEXAS CITY	21,197
33	TXD026040709	BAY CITY PLANT	BAY CITY	20,524
34	TXD066362559	CHAPARRAL STEEL MIDLOTHIAN, L.P.	MIDLOTHIAN	20,514
35	TXD053624193	VALERO REFINING COMPANY-TEXAS	HOUSTON	17,395
36	TXD000836445	OXYCHEM - CORPUS CHRISTI PLANT	CORPUS CHRISTI	16,883
37	TXD046844700	CHEMICAL RECLAMATION SERVICES	AVALON	16,376
38	TXD981053770	DURATHERM, INC.	SAN LEON	14,757
39	TXD008119414	SMI	SEGUIN	14,744
40	TXD058276130	LA PORTE COMPLEX	LA PORTE	14,461
41	TXD096037932	HALTERMANN, LTD.	HOUSTON	14,156
42	TXD058260977	BAYER CORPORATION	BAYTOWN	14,147
43	TXD990796351	NORTH STAR STEEL TEXAS	BEAUMONT	14,055
44	TXD490011293	FORMOSA PLASTICS CORPORATION, TEXAS	POINT COMFORT	13,629
45	TXD988087623	CITY MACHINE & WELDING INC.	AMARILLO	12,752
46	TXD981911209	HOUSTON CHEMICAL COMPLEX, VCM SITE	DEER PARK	12,680
47	TXD006451090	FRISCO RECYCLING SERVICES	FRISCO	12,365
48	TXD071378582	NUCOR CORP.	JEWETT	11,927
49	TXD073912974	ITC	DEER PARK	10,783
50	TXD008113441	CELANESE ENGINEERING RESINS, INC.	BISHOP	10,752

TOTAL

18,550,052

NOTE: STATE MAY HAVE FEWER THAN FIFTY GENERATORS.
GENERATORS WITH ZERO QUANTITY GENERATED ARE EXCLUDED.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

TEXAS

1997 WASTE GENERATION, CONTINUED

4 QUANTITIES OF WASTE GENERATED IN 1997 THAT WERE

- REPORTED WITH ONLY CHARACTERISTIC WASTE CODES
- REPORTED WITH ONLY LISTED WASTE CODES
- REPORTED WITH BOTH CHARACTERISTIC AND LISTED WASTE CODES

WASTE HAS ONLY CHARACTERISTIC CODES	TONS OF WASTE GENERATED	WASTE HAS ONLY LISTED CODES	TONS OF WASTE GENERATED	WASTE HAS BOTH CHARACTERISTIC AND LISTED CODES	TONS OF WASTE GENERATED
ONLY IGNITABLE	669,347	ONLY AN F CODE	227,766		
ONLY CORROSIVE	1,366,902	ONLY A K CODE	1,971,235		
ONLY REACTIVE	190	ONLY A P CODE	937		
ONLY D004-17	151,895	ONLY A U CODE	579,287		
ONLY D018-43	4,222,176				
HAS MORE THAN ONE CHARACTERISTIC CODE	5,351,668	HAS MORE THAN ONE LISTED CODE	1,170,390		
TOTAL	11,762,179	TOTAL	3,949,615	BOTH CHARACTERISTIC & LISTED	3,261,612

5 QUANTITIES OF WASTE GENERATED IN 1997 THAT WERE MULTIPLY CODED

WASTE HAS ONLY CHARACTERISTIC CODES BUT MORE THAN ONE APPLIES	TONS OF WASTE GENERATED	ONLY LISTED CODES BUT HAS MORE THAN ONE	TONS OF WASTE GENERATED	BOTH CHAR, AND LISTED CODES	TONS OF WASTE GENERATED
HAS IGNITABLE CODE	895,487			IGN. W/ AT LEAST 1 LSTD	609,973
HAS CORROSIVE CODE	2,870,963			CORR. W/ AT LEAST 1 LSTD	44,262
HAS REACTIVE CODE	2,319,485			REACT. W/ AT LEAST 1 LSTD	22,787
HAS D004-D017 CODE	510,198			D004-17 W/ AT LEAST 1 LSTD	76,406
HAS D018-D043 CODE	4,658,144			D018-43 W/ AT LEAST 1 LSTD	2,841,846
		HAS AN F CODE	1,157,836	F WASTE W/ AT LEAST 1 CHAR	2,925,155
		HAS A K CODE	1,159,508	K WASTE W/ AT LEAST 1 CHAR	2,856,085
		HAS A P CODE	10,823	P WASTE W/ AT LEAST 1 CHAR	21,734
		HAS A U CODE	16,156	U WASTE W/ AT LEAST 1 CHAR	94,539
TOTAL	5,351,668	TOTAL	1,170,390	TOTAL	3,261,612

NOTE: COLUMNS DO NOT SUM TO TOTAL BECAUSE A WASTE CODE MAY APPLY TO MORE THAN ONE WASTE.
 MIXTURES WITH IGNITABLE, CORROSIVE, REACTIVE, D004-17, AND D018-43 CHARACTERISTIC CODES ALSO MAY
 CONTAIN OTHER CHARACTERISTIC WASTE CODES.
 SIMILARLY, WASTES WITH F,K,P, AND U LISTED CODES MAY HAVE OTHER LISTED WASTE CODES.

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TEXAS

1997 WASTE MANAGEMENT

6 NUMBER OF RCRA TSD FACILITIES: 135

7 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED: 17,371,102 TONS

8 FIFTY LARGEST RCRA HAZARDOUS WASTE MANAGEMENT FACILITIES, 1997

RANK	EPA ID	SITE NAME	CITY	TONS OF WASTE MANAGED
1	TXD008123317	DU PONT DE NEMOURS & CO., E.I.	VICTORIA	4,305,035
2	TXD001700806	CHOCOLATE BAYOU PLANT	ALVIN	2,607,238
3	TXD008080533	TEXAS CITY REFINERY - AMOCO OIL CO	TEXAS CITY	2,606,101
4	TXD008081101	BEAUMONT WORKS	BEAUMONT	1,619,091
5	TXD059685339	DIAMOND SHAMROCK REFINING COMPANY - MCKE	SUNRAY	1,330,088
6	TXD000751172	GREEN LAKE FACILITY	BLOOMINGTON	1,110,166
7	TXD008079527	STERLING CHEMICALS, INC.	TEXAS CITY	1,004,873
8	TXD007330202	EASTMAN CHEMICAL COMPANY	LONGVIEW	484,817
9	TXD078432457	CELANESE LTD. CLEAR LAKE PLANT	PASADENA	403,475
10	TXD083472266	ARCO CHEMICAL	CHANNELVIEW	361,061
11	TXD087491973	SOUTHWESTERN COPPER DIV; AMARILLO COPPER	AMARILLO	288,276
12	TXD008081697	BASF CORPORATION	FREEPORT	256,234
13	TXD000719518	DISPOSAL SYSTEMS INC.	DEER PARK	177,535
14	TXD008092793	DOW CHEMICAL COMPANY - OYSTER CREEK SITE	FREEPORT	161,854
15	TXD055141378	SAFETY-KLEEN (DEER PARK), INC.	DEER PARK	125,825
16	TX0000201202	PO/MTBE PLANT	PORT NECHES	54,257
17	TXD077603371	SAFETY-KLEEN CORP.	DENTON	43,292
18	TXD007376700	CHEMICAL GROUP PAMPA PLANT	PAMPA	42,139
19	TXD047823265	PHIBRO-TECH, INC.	GARLAND	36,646
20	TXD000742304	GIBALTAR CHEMICAL RESOURCES, INC.-FORME	TYLER	26,080
21	TXD000461533	TEXAS CITY PLANT, MAIN PLANT FACILITY	TEXAS CITY	22,355
22	TXD067285973	SHELL OIL COMPANY - DEER PARK	DEER PARK	21,743
23	TXR000001016	DSCCI	CORPUS CHRISTI	21,558
24	TXD058275769	CHANNELVIEW COMPLEX	CHANNELVIEW	21,268
25	TXD008099079	BASIC CHEMICALS CO.	HOUSTON	20,990
26	TXD982286932	INGLESIDE PLANT	GREGORY	20,885
27	TXD026040709	BAY CITY PLANT	BAY CITY	20,398
28	TXD006451090	FRISCO RECYCLING SERVICES	FRISCO	19,585
29	TXD097673149	EMPAK - DIVISION OF PAKHOED USA	DEER PARK	18,848
30	TXD008117186	ENCYCLE/TEXAS, INC.	CORPUS CHRISTI	14,547
31	TXD069452340	TEXAS ECOLOGISTS, INC.	ROBSTOWN	13,622
32	TXD981911209	HOUSTON CHEMICAL COMPLEX, VCM SITE	DEER PARK	12,846
33	TXD008113441	CELANESE ENGINEERING RESINS, INC.	BISHOP	10,421
34	TXD008076846	JEFFERSON COUNTY OPERATIONS	PORT NECHES	7,763
35	TXD008076853	CONROE PLANT - HUNTSMAN CORP.	CONROE	7,591
36	TXD988088464	WASTE CONTROL SPECIALISTS	ANDREWS	7,343
37	TXD980624035	HEAT	DALLAS	6,170
38	TXD046844700	CHEMICAL RECLAMATION SERVICES	AVALON	5,455
39	TXD052649027	SAFETY KLEEN (SAN ANTONIO), INC.	SAN ANTONIO	5,401
40	TXD058276130	LA PORTE COMPLEX	LA PORTE	5,307
41	TXD008097487	OLIN CORPORATION	BEAUMONT	4,920
42	TXD074185141	BAYPORT CHEMICAL	PASADENA	4,680
43	TXD086981172	LA PORTE PLANT	LA PORTE	3,876
44	TXD008077190	BEAUMONT CHEMICAL PLANT	CHEEK	3,846
45	TXD000719286	BAYPORT TERMINAL	SEABROOK	3,826
46	TXD065096273	ROHM & HAAS TEXAS INC	DEER PARK	3,641
47	TXD980626014	HUNTSMAN POLYMERS CORPORATION	ODESSA	2,843
48	TXD084970169	LONZA, INC.	PASADENA	2,369
49	TXD981153711	CORPUS CHRISTI REFINERY WEST PLANT	CORPUS CHRISTI	2,252
50	TXD010797389	SCHENECTADY INTERNATIONAL, INC.	FREEPORT	2,188

TOTAL

17,362,621

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY FACILITIES THAT MANAGED WASTE.
FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

TEXAS

1997 WASTE MANAGEMENT, CONTINUED

9 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY MANAGEMENT METHOD, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
METALS RECOVERY (FOR REUSE)	M011-M019	59,487	.3	5	7.2
SOLVENTS RECOVERY	M021-M029	15,433	.1	7	10.1
OTHER RECOVERY	M031-M039	273,189	1.6	6	8.7
INCINERATION	M041-M049	634,507	3.7	19	27.5
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	544,131	3.1	31	44.9
FUEL BLENDING	M061	63,738	.4	9	13.0
SLUDGE TREATMENT	M101-M109	261,538	1.5	2	2.9
STABILIZATION	M111-M119	86,686	.5	7	10.1
LAND TREATMENT / APPLICATION / FARMING	M131	997	.0	3	4.3
LANDFILL	M132	37,137	.2	11	15.9
DEEPWELL / UNDERGROUND INJECTION	M134	15,392,169	88.6	16	23.2
OTHER DISPOSAL SPECIFIED IN COMMENTS	M137	2,089	.0	1	1.4
TOTAL		17,371,102	100.0	69	

10 MANAGEMENT METHOD, BY QUANTITY OF RCRA HAZARDOUS WASTE MANAGED, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
DEEPWELL / UNDERGROUND INJECTION	M134	15,392,169	88.6	16	23.2
INCINERATION	M041-M049	634,507	3.7	19	27.5
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	544,131	3.1	31	44.9
OTHER RECOVERY	M031-M039	273,189	1.6	6	8.7
SLUDGE TREATMENT	M101-M109	261,538	1.5	2	2.9
STABILIZATION	M111-M119	86,686	.5	7	10.1
FUEL BLENDING	M061	63,738	.4	9	13.0
METALS RECOVERY (FOR REUSE)	M011-M019	59,487	.3	5	7.2
LANDFILL	M132	37,137	.2	11	15.9
SOLVENTS RECOVERY	M021-M029	15,433	.1	7	10.1
OTHER DISPOSAL SPECIFIED IN COMMENTS	M137	2,089	.0	1	1.4
LAND TREATMENT / APPLICATION / FARMING	M131	997	.0	3	4.3
TOTAL		17,371,102	100.0	69	

11 MANAGEMENT METHOD AND QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY NUMBER OF FACILITIES, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	544,131	3.1	31	44.9
INCINERATION	M041-M049	634,507	3.7	19	27.5
DEEPWELL / UNDERGROUND INJECTION	M134	15,392,169	88.6	16	23.2
LANDFILL	M132	37,137	.2	11	15.9
FUEL BLENDING	M061	63,738	.4	9	13.0
SOLVENTS RECOVERY	M021-M029	15,433	.1	7	10.1
STABILIZATION	M111-M119	86,686	.5	7	10.1
OTHER RECOVERY	M031-M039	273,189	1.6	6	8.7
METALS RECOVERY (FOR REUSE)	M011-M019	59,487	.3	5	7.2
LAND TREATMENT / APPLICATION / FARMING	M131	997	.0	3	4.3
SLUDGE TREATMENT	M101-M109	261,538	1.5	2	2.9
OTHER DISPOSAL SPECIFIED IN COMMENTS	M137	2,089	.0	1	1.4
TOTAL		17,371,102	100.0	69	

NOTE: FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.
COLUMNS MAY NOT SUM DUE TO ROUNDING.
COLUMNS MAY NOT SUM TO TOTAL BECAUSE FACILITIES MAY HAVE MULTIPLE HANDLING METHODS.

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TEXAS

1997 WASTE SHIPMENTS

12 NUMBER OF RCRA HAZARDOUS WASTE SHIPPERS: 1,155

13 QUANTITY OF RCRA HAZARDOUS WASTE SHIPPED: 1,032,505 TONS

14 FIFTY LARGEST RCRA HAZARDOUS WASTE SHIPPERS, 1997

RANK	EPA ID	SITE NAME	CITY	QUANTITY SHIPPED (TONS)
----	-----	-----	----	-----
1	TXD026481523	GALENA PARK TERMINAL	GALENA PARK	196,845
2	TXD058265067	BAYPORT FACILITY - ARCO CHEMICAL CO	PASADENA	54,815
3	TXD058275769	CHANNELVIEW COMPLEX	CHANNELVIEW	53,851
4	TXD077603371	SAFETY-KLEEN CORP.	DENTON	42,918
5	TXD987986734	CHEMICAL RESOURCE PROCESSING - INC.	DEER PARK	36,480
6	TXD008079642	SABINE RIVER WORKS	ORANGE	24,985
7	TXD066362559	CHAPARRAL STEEL MIDLOTHIAN, L.P.	MIDLOTHIAN	20,514
8	TXD083472266	ARCO CHEMICAL	CHANNELVIEW	19,131
9	TXD053624193	VALERO REFINING COMPANY-TEXAS	HOUSTON	17,395
10	TXD000838896	CHEMICAL WASTE MANAGEMENT, INC	PORT ARTHUR	17,002
11	TXD046844700	CHEMICAL RECLAMATION SERVICES	AVALON	16,304
12	TXD981053770	DURATHERM, INC.	SAN LEON	15,112
13	TXD008119414	SMI	SEGUIN	14,744
14	TXD096037932	HALTERMANN, LTD.	HOUSTON	14,156
15	TXD058260977	BAYER CORPORATION	BAYTOWN	14,152
16	TXD990796351	NORTH STAR STEEL TEXAS	BEAUMONT	14,055
17	TXT490011293	FORMOSA PLASTICS CORPORATION, TEXAS	POINT COMFORT	13,355
18	TXD067285973	SHELL OIL COMPANY - DEER PARK	DEER PARK	13,313
19	TXD988087623	CITY MACHINE & WELDING INC.	AMARILLO	12,032
20	TXD071378582	NUCOR CORP.	JEWETT	11,927
21	TXD980624035	HEAT	DALLAS	10,113
22	TXT490013455	ENTERPRISE PRODUCTS OPERATING L.P.	MONT BELVIEU	9,714
23	TXD058276130	LA PORTE COMPLEX	LA PORTE	9,171
24	TXD052649027	SAFETY KLEEN (SAN ANTONIO), INC.	SAN ANTONIO	7,579
25	TXD981917024	LYONDELL PETROCHEMICAL COMPANY (VICTORIA	VICTORIA	7,397
26	TXD000804302	SEA LION TECHNOLOGY, INC.	TEXAS CITY	7,244
27	TXD008091712	ALCOA ROCKDALE WORKS	ROCKDALE	7,094
28	TXD051161990	CITGO REFINING AND CHEMICALS COMPANY L.P	CORPUS CHRISTI	6,702
29	TXD988079091	BAYPORT PLANT	PASADENA	6,589
30	TXD073186389	MIDLAND WAREHOUSE	MIDLAND	6,270
31	TXD000836486	GREENS BAYOU PLANT	HOUSTON	5,857
32	TX0000201202	PO/MTBE PLANT	PORT NECHES	5,603
33	TXD000719518	DISPOSAL SYSTEMS INC.	DEER PARK	5,512
34	TXD987995941	ZTT MINERALS, INC.	CALDWELL	4,804
35	TXD990757668	EL PASO PLANT	EL PASO	4,642
36	TXD007397144	PHELPS DODGE REFINING CORP. - EL PASO WO	EL PASO	4,431
37	TXD008090409	PORT ARTHUR REFINERY	PORT ARTHUR	4,383
38	TXD000807982	PAKTANK CORPORATION - DEER PARK TERMINAL	DEER PARK	4,321
39	TXD007398175	BORDER STEEL MILLS, INC.	EL PASO	4,096
40	TXD048210645	SWEENEY REFINERY & PETROCHEMICAL COMPLEX	OLD OCEAN	3,936
41	TXD057191199	AKZO NOBEL CHEMICALS INC.	DEER PARK	3,839
42	TXD007323397	LONE STAR STEEL COMPANY	LONE STAR	3,758
43	TXD008079212	DUPONT AGRICULTURAL PRODUCTS LA PORTE PL	LA PORTE	3,695
44	TXD980809909	BAYTOWN CHEMICAL PLANT (BTCP)	BAYTOWN	3,657
45	TXD987985900	JAVELINA COMPANY	CORPUS CHRISTI	3,542
46	TXD008088833	U.S. CHEMICALS DIVISION	ORANGE	3,525
47	TXD074604166	VALERO REFINING COMPANY-TEXAS	CORPUS CHRISTI	3,468
48	TXD052131323	SHERWIN WILLIAMS CO.	GARLAND	3,460
49	TXD990757486	PASADENA PLANT	PASADENA	3,383
50	TXD098818339	ELEMENTIS CHROMIUM L.P.	CORPUS CHRISTI	3,338

TOTAL

784,208

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY SHIPPERS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

TEXAS

1997 WASTE RECEIPTS

15 NUMBER OF RCRA HAZARDOUS WASTE RECEIVERS: 41

16 QUANTITY OF RCRA HAZARDOUS WASTE RECEIVED: 512,619 TONS

17 FIFTY LARGEST RCRA HAZARDOUS WASTE RECEIVERS, 1997

RANK	EPA ID	SITE NAME	CITY	QUANTITY RECEIVED (TONS)
----	-----	-----	----	-----
1	TXD000719518	DISPOSAL SYSTEMS INC.	DEER PARK	158,325
2	TXD055141378	SAFETY-KLEEN (DEER PARK), INC.	DEER PARK	60,981
3	TXD077603371	SAFETY-KLEEN CORP.	DENTON	44,910
4	TXD083472266	ARCO CHEMICAL	CHANNELVIEW	37,674
5	TXD047823265	PHIBRO-TECH, INC.	GARLAND	36,646
6	TXR000001016	DSCCI	CORPUS CHRISTI	21,554
7	TXD008099079	BASIC CHEMICALS CO.	HOUSTON	20,863
8	TXD097673149	EMPAK - DIVISION OF PAKHOED USA	DEER PARK	18,848
9	TXD008117186	ENCYCLE/TEXAS, INC.	CORPUS CHRISTI	14,547
10	TXD046844700	CHEMICAL RECLAMATION SERVICES	AVALON	14,502
11	TXD069452340	TEXAS ECOLOGISTS, INC.	ROBSTOWN	13,597
12	TXD074196338	ELTEX CHEMICAL & SUPPLY CO.	HOUSTON	9,652
13	TXD052649027	SAFETY KLEEN (SAN ANTONIO), INC.	SAN ANTONIO	8,174
14	TXD988088464	WASTE CONTROL SPECIALISTS	ANDREWS	7,522
15	TXD006451090	FRISCO RECYCLING SERVICES	FRISCO	7,329
16	TXD980624035	HEAT	DALLAS	6,944
17	TXD008123317	DU PONT DE NEMOURS & CO., E.I.	VICTORIA	5,301
18	TXD008097487	OLIN CORPORATION	BEAUMONT	4,920
19	TXD000461533	TEXAS CITY PLANT, MAIN PLANT FACILITY	TEXAS CITY	4,512
20	TXD055135388	DIVISION OF SET ENVIRONMENTAL, INC.	HOUSTON	4,388
21	TXD982290140	SAFETY KLEEN (LA PORTE), INC.	LA PORTE	4,227
22	TXD980745095	ASHLAND CHEMICAL COMPANY	GARLAND	909
23	TXD981052061	6-049-01	IRVING	808
24	TXD007330202	EASTMAN CHEMICAL COMPANY	LONGVIEW	711
25	TXD008092793	DOW CHEMICAL COMPANY - OYSTER CREEK SITE	FREEPORT	545
26	TXD981053416	FORT WORTH (SAFETY KLEEN)	FORT WORTH	505
27	TXD008076853	CONROE PLANT - HUNTSMAN CORP.	CONROE	443
28	TXD982560294	RECOVERY SERVICES, INC.	HOUSTON	391
29	TXD000729400	SAFETY-KLEEN SYSTEMS, INC.	SAN ANTONIO	382
30	TXD982551806	WASTE CHEMICAL CENTER	DALLAS	371
31	TXD981056690	SAFETY-KLEEN - MIDLAND BRANCH	MIDLAND	356
32	TXD000747386	6-073-01 (SAFETY KLEEN)	PASADENA	324
33	TXD000747378	SAFETY-KLEEN SYSTEMS, INC.	LONGVIEW	322
34	TXD008105959	PARKANS INTERNATIONAL, L.L.C.	HOUSTON	307
35	TXD061290276	SAFETY KLEEN CORPORATION	ORANGE	271
36	TXD000747428	SAFETY-KLEEN CORP.	WICHITA FALLS	232
37	TXD000747402	SAFETY-KLEEN SYSTEMS, INC.	CORPUS CHRISTI	225
38	TXD981153711	CORPUS CHRISTI REFINERY WEST PLANT	CORPUS CHRISTI	50
39	TX8800016125	NASA LYNDON B. JOHNSON SPACE CENTER	HOUSTON	27
40	TXD083145656	SAFETY-KLEEN SYSTEMS, INC.	MCALLEN	15
41	TXD987988318	PERFORATING & TESTING	FORT STOCKTON	11
TOTAL				512,619

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY FACILITIES THAT RECEIVED WASTE.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

TEXAS

1997 WASTE RECEIPTS, CONTINUED

18 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY MANAGEMENT METHOD,
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
METALS RECOVERY (FOR REUSE)	M011-M019	59,421	12.6	5	18.5
SOLVENTS RECOVERY	M021-M029	15,354	3.2	4	14.8
OTHER RECOVERY	M031-M039	50	.0	1	3.7
INCINERATION	M041-M049	67,040	14.2	10	37.0
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	69,577	14.7	7	25.9
FUEL BLENDING	M061	63,735	13.5	8	29.6
STABILIZATION	M111-M119	32,350	6.8	3	11.1
LANDFILL	M132	7,158	1.5	5	18.5
DEEPWELL / UNDERGROUND INJECTION	M134	158,566	33.5	5	18.5
TOTAL		473,251	100.0	27	

19 MANAGEMENT METHOD, BY QUANTITY OF RCRA HAZARDOUS WASTE MANAGED
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
DEEPWELL / UNDERGROUND INJECTION	M134	158,566	33.5	5	18.5
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	69,577	14.7	7	25.9
INCINERATION	M041-M049	67,040	14.2	10	37.0
FUEL BLENDING	M061	63,735	13.5	8	29.6
METALS RECOVERY (FOR REUSE)	M011-M019	59,421	12.6	5	18.5
STABILIZATION	M111-M119	32,350	6.8	3	11.1
SOLVENTS RECOVERY	M021-M029	15,354	3.2	4	14.8
LANDFILL	M132	7,158	1.5	5	18.5
OTHER RECOVERY	M031-M039	50	.0	1	3.7
TOTAL		473,251	100.0	27	

20 MANAGEMENT METHOD AND QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY NUMBER OF FACILITIES,
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
INCINERATION	M041-M049	67,040	14.2	10	37.0
FUEL BLENDING	M061	63,735	13.5	8	29.6
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	69,577	14.7	7	25.9
LANDFILL	M132	7,158	1.5	5	18.5
DEEPWELL / UNDERGROUND INJECTION	M134	158,566	33.5	5	18.5
METALS RECOVERY (FOR REUSE)	M011-M019	59,421	12.6	5	18.5
SOLVENTS RECOVERY	M021-M029	15,354	3.2	4	14.8
STABILIZATION	M111-M119	32,350	6.8	3	11.1
OTHER RECOVERY	M031-M039	50	.0	1	3.7
TOTAL		473,251	100.0	27	

NOTE: FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.
COLUMNS MAY NOT SUM DUE TO ROUNDING.
COLUMNS MAY NOT SUM TO TOTAL BECAUSE FACILITIES MAY HAVE MULTIPLE HANDLING METHODS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

TEXAS

1997 IMPORTS AND EXPORTS

21	QUANTITY OF RCRA HAZARDOUS WASTE IMPORTED:	133,609 TONS
22	QUANTITY OF RCRA HAZARDOUS WASTE EXPORTED:	228,318 TONS

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

TRUST TERRITORIES

1997 WASTE GENERATION

1 NUMBER OF RCRA LARGE QUANTITY GENERATORS (LQGS): 3

2 QUANTITY OF RCRA HAZARDOUS WASTE GENERATED: 1,101 TONS

3 FIFTY LARGEST RCRA HAZARDOUS WASTE GENERATORS IN THE STATE, 1997

RANK	EPA ID	SITE NAME	CITY	TOTAL GENERATED (TONS)
----	-----	-----	----	-----
1	TT0570090001	JOHNSTON ATOLL CHEMICAL AGENT DISPOSAL	APO	1,024
2	TT5210090002	USARMY KWAJALEIN ATOLL	REPUBLIC MARSHALL IS	59
3	TT9570090002	DEFENSE SPECIAL WEAPONS AGENCY	APO	19
TOTAL				1,101

NOTE: STATE MAY HAVE FEWER THAN FIFTY GENERATORS.
GENERATORS WITH ZERO QUANTITY GENERATED ARE EXCLUDED.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

TRUST TERRITORIES

1997 WASTE GENERATION, CONTINUED

4 QUANTITIES OF WASTE GENERATED IN 1997 THAT WERE

- REPORTED WITH ONLY CHARACTERISTIC WASTE CODES
 - REPORTED WITH ONLY LISTED WASTE CODES
 - REPORTED WITH BOTH CHARACTERISTIC AND LISTED WASTE CODES

WASTE HAS ONLY CHARACTERISTIC CODES	TONS OF WASTE GENERATED	WASTE HAS ONLY LISTED CODES	TONS OF WASTE GENERATED	WASTE HAS BOTH CHARACTERISTIC AND LISTED CODES	TONS OF WASTE GENERATED
ONLY IGNITABLE	12	ONLY AN F CODE	0		
ONLY CORROSIVE	1	ONLY A K CODE	0		
ONLY REACTIVE	533	ONLY A P CODE	0		
ONLY D004-17	481	ONLY A U CODE	0		
ONLY D018-43	1				
HAS MORE THAN ONE CHARACTERISTIC CODE	20	HAS MORE THAN ONE LISTED CODE	0		
TOTAL	1,048	TOTAL	1	BOTH CHARACTERISTIC & LISTED	53

5 QUANTITIES OF WASTE GENERATED IN 1997 THAT WERE MULTIPLY CODED

WASTE HAS ONLY CHARACTERISTIC CODES BUT MORE THAN ONE APPLIES	TONS OF WASTE GENERATED	ONLY LISTED CODES BUT HAS MORE THAN ONE	TONS OF WASTE GENERATED	BOTH CHAR, AND LISTED CODES	TONS OF WASTE GENERATED
HAS IGNITABLE CODE	16			IGN. W/ AT LEAST 1 LSTD	44
HAS CORROSIVE CODE	6			CORR. W/ AT LEAST 1 LSTD	0
HAS REACTIVE CODE	4			REACT. W/ AT LEAST 1 LSTD	0
HAS D004-D017 CODE	9			D004-17 W/ AT LEAST 1 LSTD	44
HAS D018-D043 CODE	8			D018-43 W/ AT LEAST 1 LSTD	52
		HAS AN F CODE	0	F WASTE W/ AT LEAST 1 CHAR	52
		HAS A K CODE	0	K WASTE W/ AT LEAST 1 CHAR	0
		HAS A P CODE	0	P WASTE W/ AT LEAST 1 CHAR	0
		HAS A U CODE	0	U WASTE W/ AT LEAST 1 CHAR	0
TOTAL	20	TOTAL	0	TOTAL	53

NOTE: COLUMNS DO NOT SUM TO TOTAL BECAUSE A WASTE CODE MAY APPLY TO MORE THAN ONE WASTE.
 MIXTURES WITH IGNITABLE, CORROSIVE, REACTIVE, D004-17, AND D018-43 CHARACTERISTIC CODES ALSO MAY
 CONTAIN OTHER CHARACTERISTIC WASTE CODES.
 SIMILARLY, WASTES WITH F,K,P, AND U LISTED CODES MAY HAVE OTHER LISTED WASTE CODES.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

TRUST TERRITORIES

1997 WASTE MANAGEMENT

6 NUMBER OF RCRA TSD FACILITIES: 1

7 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED: 524 TONS

8 FIFTY LARGEST RCRA HAZARDOUS WASTE MANAGEMENT FACILITIES, 1997

RANK	EPA ID	SITE NAME	CITY	TONS OF WASTE MANAGED
----	-----	-----	----	-----
1	TT0570090001	JOHNSTON ATOLL CHEMICAL AGENT DISPOSAL	APO	524
TOTAL				524

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
 STATE MAY HAVE FEWER THAN FIFTY FACILITIES THAT MANAGED WASTE.
 FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

TRUST TERRITORIES

1997 WASTE MANAGEMENT, CONTINUED

9 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY MANAGEMENT METHOD, 1997

MANAGEMENT METHOD -----	SYSTEM TYPE CODE -----	QUANTITY MANAGED (TONS) -----	PERCENTAGE OF QUANTITY -----	NUMBER OF FACILITIES -----	PERCENTAGE OF FACILITIES -----
INCINERATION	M041-M049	524	100.0	1	100.0
TOTAL		524	100.0	1	

10 MANAGEMENT METHOD, BY QUANTITY OF RCRA HAZARDOUS WASTE MANAGED, 1997

MANAGEMENT METHOD -----	SYSTEM TYPE CODE -----	QUANTITY MANAGED (TONS) -----	PERCENTAGE OF QUANTITY -----	NUMBER OF FACILITIES -----	PERCENTAGE OF FACILITIES -----
INCINERATION	M041-M049	524	100.0	1	100.0
TOTAL		524	100.0	1	

11 MANAGEMENT METHOD AND QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY NUMBER OF FACILITIES, 1997

MANAGEMENT METHOD -----	SYSTEM TYPE CODE -----	QUANTITY MANAGED (TONS) -----	PERCENTAGE OF QUANTITY -----	NUMBER OF FACILITIES -----	PERCENTAGE OF FACILITIES -----
INCINERATION	M041-M049	524	100.0	1	100.0
TOTAL		524	100.0	1	

NOTE: FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.
COLUMNS MAY NOT SUM DUE TO ROUNDING.
COLUMNS MAY NOT SUM TO TOTAL BECAUSE FACILITIES MAY HAVE MULTIPLE HANDLING METHODS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

TRUST TERRITORIES

1997 WASTE SHIPMENTS

12 NUMBER OF RCRA HAZARDOUS WASTE SHIPPERS: 3

13 QUANTITY OF RCRA HAZARDOUS WASTE SHIPPED: 607 TONS

14 FIFTY LARGEST RCRA HAZARDOUS WASTE SHIPPERS, 1997

RANK	EPA ID	SITE NAME	CITY	QUANTITY SHIPPED (TONS)
----	-----	-----	----	-----
1	TT0570090001	JOHNSTON ATOLL CHEMICAL AGENT DISPOSAL	APO	541
2	TT5210090002	USARMY KWAJALEIN ATOLL	REPUBLIC MARSHALL IS	48
3	TT9570090002	DEFENSE SPECIAL WEAPONS AGENCY	APO	19

TOTAL				607
-------	--	--	--	-----

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY SHIPPERS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

TRUST TERRITORIES

1997 WASTE RECEIPTS

TABLES 15, 16, 17, 18, 19 AND 20 HAVE BEEN OMITTED FROM THIS REPORT BECAUSE THERE WERE NO FACILITIES IN THE TRUST TERRITORIES THAT REPORTED RECEIVING RCRA HAZARDOUS WASTE IN 1997.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

TRUST TERRITORIES

1997 IMPORTS AND EXPORTS

21 QUANTITY OF RCRA HAZARDOUS WASTE IMPORTED: 0 TONS

22 QUANTITY OF RCRA HAZARDOUS WASTE EXPORTED: 607 TONS

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

UTAH

1997 WASTE GENERATION

1 NUMBER OF RCRA LARGE QUANTITY GENERATORS (LQGS): 89

2 QUANTITY OF RCRA HAZARDOUS WASTE GENERATED: 78,555 TONS

3

RANK	EPA ID	SITE NAME	CITY	TOTAL GENERATED (TONS)
----	-----	-----	----	-----
1	UTD981552177	LAIDLAW ENVIRONMENTAL SERVICES-ARAGONITE	ARAGONITE	25,120
2	UTD021533054	NUCOR STEEL	PLYMOUTH	18,496
3	UTD000826446	KENNECOTT UTAH COPPER-SMELTER	MAGNA	10,448
4	UTD982595795	LAIDLAW ENVIRONMENTAL SERVICES (CLIVE)	CLIVE	5,918
5	UT5210090002	DESERET CHEMICAL DEPOT	TOOELE	3,339
6	UTD001705029	ALLIANT TECHSYSTEMS, INC - BACCHUS WORKS	WEST VALLEY CITY	1,620
7	UT0571724350	HILL AIR FORCE BASE, HILL, UTAH	HILL AIR FORCE BASE	1,450
8	UT3213820894	TOOELE ARMY DEPOT	TOOELE	1,406
9	UTD988070215	COMPEQ INTERNATIONAL	SALT LAKE CITY	1,209
10	UTD000826362	AMOCO SALT LAKE CITY REFINERY	SALT LAKE CITY	1,052
11	UTD041310962	THE ENSIGN-BICKFORD COMPANY	SPANISH FORK	962
12	UTD009081357	THIOLKOL CORP/PROMONTORY	PROMONTORY	933
13	UTD073010902	TYCO PRINTED CIRCUIT GROUP - LOGAN DIV.	LOGAN	903
14	UTD980960702	JOHNSON MATTHEY	SALT LAKE	580
15	UTD980954168	VIKTRON UTAH	SALT LAKE CITY	549
16	UTD092024934	WESTERN ZIRCONIUM CBS CORPORATION - CNFD	OGDEN	424
17	UTD072988173	PARISH CHEMICAL COMPANY	VINEYARD	375
18	UTD092029768	CHEVRON PRODUCTS COMPANY	SALT LAKE CITY	342
19	UTD073008237	FAIRCHILD SEMICONDUCTOR	WEST JORDAN	247
20	UTD009073305	EDO CORPORATION - WESTERN DIVISION	SALT LAKE CITY	245
21	UTT500010087	PACIFICORP - NTO/GADSBY PLANT	SALT LAKE CITY	178
22	UTD982598898	ENVIROCARE OF UTAH, INC.	CLIVE	174
23	UTD045267127	FLYING J REFINERY	NORTH SALT LAKE	171
24	UTD009090580	PHILLIPS 66 COMPANY	WOODS CROSS,	168
25	UTD988072294	WESTERN ELECTROCHEMICAL COMPANY (WECCO)	CEDAR CITY	156
26	UTD988078150	BFI WASTE SYSTEMS OF NORTH AMERICA, INC.	NORTH SALT LAKE	149
27	UTD094674595	UNIVERSITY OF UTAH	SALT LAKE CITY	131
28	UTD982648545	THERATECH, INC.	SALT LAKE CITY	124
29	UTD007939358	WHEELER MACHINERY COMPANY	SALT LAKE CITY	123
30	UTD991301748	LAIDLAW ENV. SERVICES (LONE & GRASSY MTN	CLIVE	104
31	UTD009086133	GENEVA STEEL	VINEYARD	78
32	UTD054680590	LEVELOR HOME FASHIONS	OGDEN	72
33	UTD980959035	VULCRAFT-UTAH DIVISION OF NUCOR CORP.	BRIGHAM CITY	72
34	UTD127673697	AUTOLIV ASP, INC. - PROMONTORY	PROMONTORY	70
35	UTD980806244	SALT LAKE CIRCUITS	SALT LAKE CITY	69
36	UTR000001909	MAPLE OIL PRODUCTS COMPANY	MURRAY	53
37	UTD000826412	KENNECOTT UTAH COPPER-REFINERY	MAGNA	51
38	UTD056095334	PRECISION TECHNOLOGY, INC.	SALT LAKE CITY	50
39	UTD060381977	BECTON DICKINSON INFUSION THERAPY SYSTEM	SANDY	44
40	UTD149899262	RAYLOC - PAYSON, DIV. GENUINE PARTS CO.	PAYSON	43
41	UTD000716407	SOUTHERN PACIFIC TRANSPORTATION COMPANY	OGDEN	42
42	UTD049779325	FMC JETWAY SYSTEMS (EAST)	OGDEN	41
43	UTD009438359	VARIAN X-RAY TUBE PRODUCTS	SALT LAKE CITY	41
44	UTD988067096	COMPANION SYSTEMS INC.	NORTH SALT LAKE	40
45	UTD981550858	THE BOEING COMPANY, DAPD	SALT LAKE CITY	38
46	UTR000002527	HEXCEL CORPORATION	WEST VALLEY CITY	38
47	UT9210020922	DEFENSE DEPOT OGDEN UTAH (DDOU)	OGDEN	38
48	UTD041075896	SYRO, INC.	CENTERVILLE	36
49	UT3750211259	DUGWAY PROVING GROUND	DUGWAY	34
50	UTD988074241	OEA, INC., UTAH DIVISION	TREMONTON	34
TOTAL				78,079

NOTE: STATE MAY HAVE FEWER THAN FIFTY GENERATORS.
GENERATORS WITH ZERO QUANTITY GENERATED ARE EXCLUDED.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

UTAH

1997 WASTE GENERATION, CONTINUED

4 QUANTITIES OF WASTE GENERATED IN 1997 THAT WERE

- REPORTED WITH ONLY CHARACTERISTIC WASTE CODES
- REPORTED WITH ONLY LISTED WASTE CODES
- REPORTED WITH BOTH CHARACTERISTIC AND LISTED WASTE CODES

WASTE HAS ONLY CHARACTERISTIC CODES	TONS OF WASTE GENERATED	WASTE HAS ONLY LISTED CODES	TONS OF WASTE GENERATED	WASTE HAS BOTH CHARACTERISTIC AND LISTED CODES	TONS OF WASTE GENERATED
ONLY IGNITABLE	163	ONLY AN F CODE	1,883		
ONLY CORROSIVE	643	ONLY A K CODE	18,609		
ONLY REACTIVE	1,287	ONLY A P CODE	23		
ONLY D004-17	13,128	ONLY A U CODE	15		
ONLY D018-43	231				
HAS MORE THAN ONE CHARACTERISTIC CODE	29,235	HAS MORE THAN ONE LISTED CODE	936		
TOTAL	44,687	TOTAL	21,466	BOTH CHARACTERISTIC & LISTED	12,399

5 QUANTITIES OF WASTE GENERATED IN 1997 THAT WERE MULTIPLY CODED

WASTE HAS ONLY CHARACTERISTIC CODES BUT MORE THAN ONE APPLIES	TONS OF WASTE GENERATED	ONLY LISTED CODES BUT HAS MORE THAN ONE	TONS OF WASTE GENERATED	BOTH CHAR, AND LISTED CODES	TONS OF WASTE GENERATED
HAS IGNITABLE CODE	25,218			IGN. W/ AT LEAST 1 LSTD	9,303
HAS CORROSIVE CODE	27,518			CORR. W/ AT LEAST 1 LSTD	121
HAS REACTIVE CODE	26,363			REACT. W/ AT LEAST 1 LSTD	601
HAS D004-D017 CODE	29,184			D004-17 W/ AT LEAST 1 LSTD	2,641
HAS D018-D043 CODE	178			D018-43 W/ AT LEAST 1 LSTD	538
		HAS AN F CODE	936	F WASTE W/ AT LEAST 1 CHAR	11,168
		HAS A K CODE	935	K WASTE W/ AT LEAST 1 CHAR	1,223
		HAS A P CODE	0	P WASTE W/ AT LEAST 1 CHAR	0
		HAS A U CODE	1	U WASTE W/ AT LEAST 1 CHAR	63
TOTAL	29,235	TOTAL	936	TOTAL	12,399

NOTE: COLUMNS DO NOT SUM TO TOTAL BECAUSE A WASTE CODE MAY APPLY TO MORE THAN ONE WASTE.
 MIXTURES WITH IGNITABLE, CORROSIVE, REACTIVE, D004-17, AND D018-43 CHARACTERISTIC CODES ALSO MAY
 CONTAIN OTHER CHARACTERISTIC WASTE CODES.
 SIMILARLY, WASTES WITH F,K,P, AND U LISTED CODES MAY HAVE OTHER LISTED WASTE CODES.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

UTAH

1997 WASTE MANAGEMENT

6 NUMBER OF RCRA TSD FACILITIES: 20

7 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED: 325,888 TONS

8 FIFTY LARGEST RCRA HAZARDOUS WASTE MANAGEMENT FACILITIES, 1997

RANK	EPA ID	SITE NAME	CITY	TONS OF WASTE MANAGED
----	-----	-----	----	-----
1	UT3213820894	TOOELE ARMY DEPOT	TOOELE	201,521
2	UTD991301748	LAIDLAW ENV. SERVICES (LONE & GRASSY MTN	CLIVE	52,807
3	UTD981552177	LAIDLAW ENVIRONMENTAL SERVICES-ARAGONITE	ARAGONITE	35,521
4	UTD982595795	LAIDLAW ENVIRONMENTAL SERVICES (CLIVE)	CLIVE	24,409
5	UTD982598898	ENVIROCARE OF UTAH, INC.	CLIVE	7,075
6	UT5210090002	DESERET CHEMICAL DEPOT	TOOELE	2,662
7	UT0570090001	UTAH TEST AND TRAINING RANGE, U.S.A.F.	BOX ELDER COUNTY	1,025
8	UTD009081357	THIOL CORP/PROMONTORY	PROMONTORY	582
9	UTD001705029	ALLIANT TECHSYSTEMS, INC - BACCHUS WORKS	WEST VALLEY CITY	286
10	UTD048406144	ASHLAND CHEMICAL,CO.	CLEARFIELD	0
TOTAL				325,888

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY FACILITIES THAT MANAGED WASTE.
FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

UTAH

1997 WASTE MANAGEMENT, CONTINUED

9 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY MANAGEMENT METHOD, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
OTHER RECOVERY	M031-M039	2	.0	1	10.0
INCINERATION	M041-M049	64,169	19.7	7	70.0
FUEL BLENDING	M061	1	.0	1	10.0
STABILIZATION	M111-M119	37,199	11.4	2	20.0
LAND TREATMENT / APPLICATION / FARMING	M131	0	.0	1	10.0
LANDFILL	M132	22,351	6.9	2	20.0
DEEPWELL / UNDERGROUND INJECTION	M134	200,167	61.4	1	10.0
OTHER DISPOSAL SPECIFIED IN COMMENTS	M137	1,999	.6	3	30.0
TOTAL		325,888	100.0	10	

10 MANAGEMENT METHOD, BY QUANTITY OF RCRA HAZARDOUS WASTE MANAGED, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
DEEPWELL / UNDERGROUND INJECTION	M134	200,167	61.4	1	10.0
INCINERATION	M041-M049	64,169	19.7	7	70.0
STABILIZATION	M111-M119	37,199	11.4	2	20.0
LANDFILL	M132	22,351	6.9	2	20.0
OTHER DISPOSAL SPECIFIED IN COMMENTS	M137	1,999	.6	3	30.0
OTHER RECOVERY	M031-M039	2	.0	1	10.0
FUEL BLENDING	M061	1	.0	1	10.0
LAND TREATMENT / APPLICATION / FARMING	M131	0	.0	1	10.0
TOTAL		325,888	100.0	10	

11 MANAGEMENT METHOD AND QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY NUMBER OF FACILITIES, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
INCINERATION	M041-M049	64,169	19.7	7	70.0
OTHER DISPOSAL SPECIFIED IN COMMENTS	M137	1,999	.6	3	30.0
LANDFILL	M132	22,351	6.9	2	20.0
STABILIZATION	M111-M119	37,199	11.4	2	20.0
FUEL BLENDING	M061	1	.0	1	10.0
LAND TREATMENT / APPLICATION / FARMING	M131	0	.0	1	10.0
DEEPWELL / UNDERGROUND INJECTION	M134	200,167	61.4	1	10.0
OTHER RECOVERY	M031-M039	2	.0	1	10.0
TOTAL		325,888	100.0	10	

NOTE: FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.
COLUMNS MAY NOT SUM DUE TO ROUNDING.
COLUMNS MAY NOT SUM TO TOTAL BECAUSE FACILITIES MAY HAVE MULTIPLE HANDLING METHODS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

UTAH

1997 WASTE SHIPMENTS

12 NUMBER OF RCRA HAZARDOUS WASTE SHIPPERS: 86

13 QUANTITY OF RCRA HAZARDOUS WASTE SHIPPED: 83,191 TONS

14 FIFTY LARGEST RCRA HAZARDOUS WASTE SHIPPERS, 1997

RANK	EPA ID	SITE NAME	CITY	QUANTITY SHIPPED (TONS)
----	-----	-----	----	-----
1	UTD981552177	LAIDLAW ENVIRONMENTAL SERVICES-ARAGONITE	ARAGONITE	23,737
2	UTD982595795	LAIDLAW ENVIRONMENTAL SERVICES (CLIVE)	CLIVE	19,366
3	UTD021533054	NUCOR STEEL	PLYMOUTH	15,311
4	UTD000826446	KENNECOTT UTAH COPPER-SMELTER	MAGNA	10,448
5	UT0571724350	HILL AIR FORCE BASE, HILL, UTAH	HILL AIR FORCE BASE	1,450
6	UTD001705029	ALLIANT TECHSYSTEMS, INC - BACCHUS WORKS	WEST VALLEY CITY	1,340
7	UTD988070215	COMPEQ INTERNATIONAL	SALT LAKE CITY	1,209
8	UTD000826362	AMOCO SALT LAKE CITY REFINERY	SALT LAKE CITY	1,052
9	UTD980957088	SAFETY-KLEEN CORP	SALT LAKE CITY	990
10	UTD041310962	THE ENSIGN-BICKFORD COMPANY	SPANISH FORK	962
11	UTD073010902	TYCO PRINTED CIRCUIT GROUP - LOGAN DIV.	LOGAN	903
12	UT5210090002	DESERET CHEMICAL DEPOT	TOOELE	684
13	UTD980954168	VIKTRON UTAH	SALT LAKE CITY	562
14	UTD980960702	JOHNSON MATTHEY	SALT LAKE	481
15	UTD991301748	LAIDLAW ENV. SERVICES (LONE & GRASSY MTN	CLIVE	450
16	UTD009081357	THIOLKOL CORP/PROMONTORY	PROMONTORY	351
17	UTD092029768	CHEVRON PRODUCTS COMPANY	SALT LAKE CITY	342
18	UTD072988173	PARISH CHEMICAL COMPANY	VINEYARD	320
19	UTD009073305	EDO CORPORATION - WESTERN DIVISION	SALT LAKE CITY	245
20	UTD073008237	FAIRCHILD SEMICONDUCTOR	WEST JORDAN	233
21	UTT500010087	PACIFICORP - NTO/GADSBY PLANT	SALT LAKE CITY	177
22	UTD045267127	FLYING J REFINERY	NORTH SALT LAKE	173
23	UTD009090580	PHILLIPS 66 COMPANY	WOODS CROSS,	168
24	UTD048406144	ASHLAND CHEMICAL,CO.	CLEARFIELD	158
25	UTD988072294	WESTERN ELECTROCHEMICAL COMPANY (WECCO)	CEDAR CITY	156
26	UTD988078150	BFI WASTE SYSTEMS OF NORTH AMERICA, INC.	NORTH SALT LAKE	149
27	UTD094674595	UNIVERSITY OF UTAH	SALT LAKE CITY	131
28	UTD982648545	THERATECH, INC.	SALT LAKE CITY	124
29	UTD007939358	WHEELER MACHINERY COMPANY	SALT LAKE CITY	123
30	UTD009086133	GENEVA STEEL	VINEYARD	77
31	UTD980959035	VULCRAFT-UTAH DIVISION OF NUCOR CORP.	BRIGHAM CITY	72
32	UTD980806244	SALT LAKE CIRCUITS	SALT LAKE CITY	69
33	UTD127673697	AUTOLIV ASP, INC. - PROMONTORY	PROMONTORY	68
34	UTD092024934	WESTERN ZIRCONIUM CBS CORPORATION - CNFD	OGDEN	55
35	UTR000001909	MAPLE OIL PRODUCTS COMPANY	MURRAY	53
36	UT3213820894	TOOELE ARMY DEPOT	TOOELE	51
37	UTD000826412	KENNECOTT UTAH COPPER-REFINERY	MAGNA	51
38	UTD056095334	PRECISION TECHNOLOGY, INC.	SALT LAKE CITY	50
39	UTD049779325	FMC JETWAY SYSTEMS (EAST)	OGDEN	41
40	UT9210020922	DEFENSE DEPOT OGDEN UTAH (DDOU)	OGDEN	39
41	UTD981550858	THE BOEING COMPANY, DAPD	SALT LAKE CITY	38
42	UTD000716407	SOUTHERN PACIFIC TRANSPORTATION COMPANY	OGDEN	38
43	UTD054680590	LEVELOR HOME FASHIONS	OGDEN	37
44	UTD041075896	SYRO, INC.	CENTERVILLE	36
45	UTR000002527	HEXCEL CORPORATION	WEST VALLEY CITY	33
46	UTD988074241	OEA, INC., UTAH DIVISION	TREMONTON	33
47	UTD009438359	VARIAN X-RAY TUBE PRODUCTS	SALT LAKE CITY	33
48	UTD009094012	BRIGHAM YOUNG UNIVERSITY	PROVO	31
49	UTD033513631	TELEFLEX DEFENSE SYSTEMS	SPANISH FORK	31
50	UTD000651653	UTAH STATE UNIVERSITY	LOGAN	28

TOTAL

82,764

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY SHIPPERS.

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UTAH

1997 WASTE RECEIPTS

15 NUMBER OF RCRA HAZARDOUS WASTE RECEIVERS: 11

16 QUANTITY OF RCRA HAZARDOUS WASTE RECEIVED: 110,178 TONS

17 FIFTY LARGEST RCRA HAZARDOUS WASTE RECEIVERS, 1997

RANK	EPA ID	SITE NAME	CITY	QUANTITY RECEIVED (TONS)
----	-----	-----	----	-----
1	UTD991301748	LAIDLAW ENV. SERVICES (LONE & GRASSY MTN	CLIVE	52,840
2	UTD981552177	LAIDLAW ENVIRONMENTAL SERVICES-ARAGONITE	ARAGONITE	35,132
3	UTD982595795	LAIDLAW ENVIRONMENTAL SERVICES (CLIVE)	CLIVE	12,073
4	UTD982598898	ENVIROCARE OF UTAH, INC.	CLIVE	8,096
5	UT0570090001	UTAH TEST AND TRAINING RANGE, U.S.A.F.	BOX ELDER COUNTY	1,025
6	UTD980957088	SAFETY-KLEEN CORP	SALT LAKE CITY	882
7	UTD048406144	ASHLAND CHEMICAL, CO.	CLEARFIELD	116
8	UTD009081357	THIOL CORP/PROMONTORY	PROMONTORY	8
9	UTD001705029	ALLIANT TECHSYSTEMS, INC - BACCHUS WORKS	WEST VALLEY CITY	6
10	UTD000651653	UTAH STATE UNIVERSITY	LOGAN	1
11	UT3213820894	TOOELE ARMY DEPOT	TOOELE	0

TOTAL

110,178

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY FACILITIES THAT RECEIVED WASTE.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

UTAH

1997 WASTE RECEIPTS, CONTINUED

**18 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY MANAGEMENT METHOD,
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997**

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
OTHER RECOVERY	M031-M039	2	.0	1	14.3
INCINERATION	M041-M049	47,913	44.4	5	71.4
FUEL BLENDING	M061	1	.0	1	14.3
STABILIZATION	M111-M119	37,042	34.3	2	28.6
LAND TREATMENT / APPLICATION / FARMING	M131	0	.0	1	14.3
LANDFILL	M132	22,346	20.7	2	28.6
OTHER DISPOSAL SPECIFIED IN COMMENTS	M137	646	.6	1	14.3
TOTAL		107,949	100.0	7	

**19 MANAGEMENT METHOD, BY QUANTITY OF RCRA HAZARDOUS WASTE MANAGED
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997**

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
INCINERATION	M041-M049	47,913	44.4	5	71.4
STABILIZATION	M111-M119	37,042	34.3	2	28.6
LANDFILL	M132	22,346	20.7	2	28.6
OTHER DISPOSAL SPECIFIED IN COMMENTS	M137	646	.6	1	14.3
OTHER RECOVERY	M031-M039	2	.0	1	14.3
FUEL BLENDING	M061	1	.0	1	14.3
LAND TREATMENT / APPLICATION / FARMING	M131	0	.0	1	14.3
TOTAL		107,949	100.0	7	

**20 MANAGEMENT METHOD AND QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY NUMBER OF FACILITIES,
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997**

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
INCINERATION	M041-M049	47,913	44.4	5	71.4
LANDFILL	M132	22,346	20.7	2	28.6
STABILIZATION	M111-M119	37,042	34.3	2	28.6
FUEL BLENDING	M061	1	.0	1	14.3
LAND TREATMENT / APPLICATION / FARMING	M131	0	.0	1	14.3
OTHER DISPOSAL SPECIFIED IN COMMENTS	M137	646	.6	1	14.3
OTHER RECOVERY	M031-M039	2	.0	1	14.3
TOTAL		107,949	100.0	7	

NOTE: FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.
COLUMNS MAY NOT SUM DUE TO ROUNDING.
COLUMNS MAY NOT SUM TO TOTAL BECAUSE FACILITIES MAY HAVE MULTIPLE HANDLING METHODS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

UTAH

1997 IMPORTS AND EXPORTS

21	QUANTITY OF RCRA HAZARDOUS WASTE IMPORTED:	55,789 TONS
22	QUANTITY OF RCRA HAZARDOUS WASTE EXPORTED:	31,671 TONS

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

VERMONT

1997 WASTE GENERATION

1 NUMBER OF RCRA LARGE QUANTITY GENERATORS (LQGS): 65

2 QUANTITY OF RCRA HAZARDOUS WASTE GENERATED: 4,064 TONS

3 FIFTY LARGEST RCRA HAZARDOUS WASTE GENERATORS IN THE STATE, 1997

RANK	EPA ID	SITE NAME	CITY	TOTAL GENERATED (TONS)
----	-----	-----	----	-----
1	VTD002084705	IBM CORPORATION	ESSEX JCT	1,089
2	VTD002085108	GE AIRCRAFT ENGINES	RUTLAND	587
3	VTD001086529	C.E. BRADLEY LABORATORIES, INC.	BRATTLEBORO	539
4	VTD001075894	GE AIRCRAFT ENGINES	NORTH CLARENDON	500
5	VTD039697347	VERMONT CASTINGS, INC.	BETHEL	156
6	VTD099682494	BERTEK, INC	ST ALBANS	118
7	VTD001082841	ETHAN ALLEN, INC., ORLEANS DIVISION	ORLEANS	77
8	VTD001080126	GREENFIELD INDUSTRIES	LYNDONVILL	68
9	VTD002065597	EVEREADY BATTERY CO., INC.	BENNINGTON	67
10	VTD000791871	BURLINGTON TERMINAL	BURLINGTON	62
11	VTD981065998	G.S. PRECISION	BRATTLEBORO	59
12	VTD988366167	INTERTEK TESTING SERVICES ENV LABS	COLCHESTER	58
13	VTD001081215	ETHAN ALLEN INC.	BEECHER FALLS	53
14	VTD064436074	EHV-WEIDMANN INDUSTRIES INC	ST JOHNSBURY	48
15	VTD002083434	GENERAL DYNAMICS	BURLINGTON	45
16	VTD002068484	THE SHELburne CORPORATION	SHELburne	40
17	VTD069911873	TIVOLY, INC.	DERBY LINE	37
18	VTD002068096	MACK MOLDING COMPANY	ARLINGTON	37
19	VTD000636563	UNIVERSITY OF VERMONT ENV SAFETY FACIL	BURLINGTON	33
20	VTD002068070	BF GOODRICH/SIMMONDS PRECISION	VERGENNES	28
21	VTD980670319	VERMONT CIRCUITS, INC.	BRATTLEBORO	21
22	VTD000636449	UNIVERSITY OF VERMONT & ST AG COLLEGE	BURLINGTON	21
23	VTD002065654	EVEREADY BATTERY CO.	ST ALBANS	20
24	VTD982194193	SB COLLINS INC	ST ALBANS	19
25	VTD988380564	BRADFORD OIL CO., INC.	BRADFORD	19
26	VTD981203557	YANKEE CORP	FAIRFAX	16
27	VTD001083468	ETHAN ALLEN, INC. RANDOLPH DIVISION	RANDOLPH	15
28	VTD988375580	MACE SECURITIES INT'L	BENNINGTON	15
29	VTD020673299	ESSEX GROUP, US SAMICA	RUTLAND	14
30	VTP000006769	GREAT BROOK FURNITURE, LTD	NORTH SPRINGFIELD	13
31	VTR0000003582	SUNOCO GASOLINE STATION	WATERBURY CENTER	12
32	VTD990800575	ETHAN ALLEN, INC., ISLAND POND DIVISION	ISLAND POND	12
33	VTR0000005348	VERMONT TUBBS	BRANDON	12
34	VTD000649780	GENERAL DYNAMICS	BURLINGTON	11
35	VTD001089226	FELLOWS CORPORATION	NORTH SPRINGFIELD	11
36	VTD001086131	FAIRBANKS SCALES	ST JOHNSBURY	11
37	VTP0000007693	VERMONT AGENCY OF TRANSPORTATION	SOUTH BURLINGTON	10
38	VTD002067254	BLODGETT OVEN CO.	BURLINGTON	9
39	VT6572824294	VT AIR NATIONAL GUARD, 158 FW	SOUTH BURLINGTON	7
40	VTD0000791699	SAFETY KLEEN CORP	BARRE	7
41	VTP0000007691	VERMONT AGENCY OF TRANSPORTATION	SOUTH BURLINGTON	7
42	VTP0000007675	VERMONT AGENCY OF TRANSPORTATION	SOUTH BURLINGTON	7
43	VTP0000007692	VERMONT AGENCY OF TRANSPORTATION	SOUTH BURLINGTON	6
44	VTD045014602	FIBERMARK, INC.	BRATTLEBORO	6
45	VTD045648243	LAVALLEE AND IDE, INC.	WINOOSKI	6
46	VTP0000007875	WINDSOR SCHOOL	WINDSOR	5
47	VTD002068856	VELAN VALVE CORP.	WILLISTON	5
48	VTP0000003155	BARROWS COAL COMPANY	BRATTLEBORO	5
49	VTP0000005750	LEO'S MOTORS, INC.	MANCHESTER	4
50	VT5000001982	FLEMING OIL COMPANY	BRATTLEBORO	4
TOTAL				4,034

NOTE: STATE MAY HAVE FEWER THAN FIFTY GENERATORS.
GENERATORS WITH ZERO QUANTITY GENERATED ARE EXCLUDED.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

VERMONT

1997 WASTE GENERATION, CONTINUED

4 QUANTITIES OF WASTE GENERATED IN 1997 THAT WERE

- REPORTED WITH ONLY CHARACTERISTIC WASTE CODES
- REPORTED WITH ONLY LISTED WASTE CODES
- REPORTED WITH BOTH CHARACTERISTIC AND LISTED WASTE CODES

WASTE HAS ONLY CHARACTERISTIC CODES	TONS OF WASTE GENERATED	WASTE HAS ONLY LISTED CODES	TONS OF WASTE GENERATED	WASTE HAS BOTH CHARACTERISTIC AND LISTED CODES	TONS OF WASTE GENERATED
ONLY IGNITABLE	252	ONLY AN F CODE	690		
ONLY CORROSIVE	20	ONLY A K CODE	0		
ONLY REACTIVE	15	ONLY A P CODE	4		
ONLY D004-17	922	ONLY A U CODE	141		
ONLY D018-43	49				
HAS MORE THAN ONE CHARACTERISTIC CODE	511	HAS MORE THAN ONE LISTED CODE	2		
TOTAL	1,770	TOTAL	837	BOTH CHARACTERISTIC & LISTED	1,457

5 QUANTITIES OF WASTE GENERATED IN 1997 THAT WERE MULTIPLY CODED

WASTE HAS ONLY CHARACTERISTIC CODES BUT MORE THAN ONE APPLIES	TONS OF WASTE GENERATED	ONLY LISTED CODES BUT HAS MORE THAN ONE	TONS OF WASTE GENERATED	BOTH CHAR, AND LISTED CODES	TONS OF WASTE GENERATED
HAS IGNITABLE CODE	432			IGN. W/ AT LEAST 1 LSTD	1,324
HAS CORROSIVE CODE	76			CORR. W/ AT LEAST 1 LSTD	6
HAS REACTIVE CODE	13			REACT. W/ AT LEAST 1 LSTD	0
HAS D004-D017 CODE	86			D004-17 W/ AT LEAST 1 LSTD	834
HAS D018-D043 CODE	422			D018-43 W/ AT LEAST 1 LSTD	1,147
		HAS AN F CODE	0	F WASTE W/ AT LEAST 1 CHAR	1,456
		HAS A K CODE	0	K WASTE W/ AT LEAST 1 CHAR	0
		HAS A P CODE	2	P WASTE W/ AT LEAST 1 CHAR	0
		HAS A U CODE	2	U WASTE W/ AT LEAST 1 CHAR	236
TOTAL	511	TOTAL	2	TOTAL	1,457

NOTE: COLUMNS DO NOT SUM TO TOTAL BECAUSE A WASTE CODE MAY APPLY TO MORE THAN ONE WASTE.
 MIXTURES WITH IGNITABLE, CORROSIVE, REACTIVE, D004-17, AND D018-43 CHARACTERISTIC CODES ALSO MAY
 CONTAIN OTHER CHARACTERISTIC WASTE CODES.
 SIMILARLY, WASTES WITH F,K,P, AND U LISTED CODES MAY HAVE OTHER LISTED WASTE CODES.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

VERMONT

1997 WASTE MANAGEMENT

6 NUMBER OF RCRA TSD FACILITIES: 5

7 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED: 0 TONS

TABLES 8, 9, 10 AND 11 HAVE BEEN OMITTED FROM THIS REPORT BECAUSE THERE WERE NO FACILITIES IN VERMONT THAT REPORTED MANAGING RCRA HAZARDOUS WASTE IN 1997 OTHER THAN AS A STORAGE ONLY FACILITY.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

VERMONT

1997 WASTE SHIPMENTS

12 NUMBER OF RCRA HAZARDOUS WASTE SHIPPERS: 63

13 QUANTITY OF RCRA HAZARDOUS WASTE SHIPPED: 5,181 TONS

14 FIFTY LARGEST RCRA HAZARDOUS WASTE SHIPPERS, 1997

RANK	EPA ID	SITE NAME	CITY	QUANTITY SHIPPED (TONS)
----	-----	-----	----	-----
1	VTD002084705	IBM CORPORATION	ESSEX JCT	1,096
2	VTD982766537	POLLUTION SOLUTIONS OF VERMONT INC	WILLISTON	877
3	VTD002085108	GE AIRCRAFT ENGINES	RUTLAND	587
4	VTD001075894	GE AIRCRAFT ENGINES	NORTH CLARENDON	505
5	VTD000791699	SAFETY KLEEN CORP	BARRE	408
6	VTD001086529	C.E. BRADLEY LABORATORIES, INC.	BRATTLEBORO	393
7	VTD039697347	VERMONT CASTINGS, INC.	BETHEL	156
8	VTD099682494	BERTEK, INC	ST ALBANS	120
9	VTD001082841	ETHAN ALLEN, INC., ORLEANS DIVISION	ORLEANS	76
10	VTD002065597	EVEREADY BATTERY CO., INC.	BENNINGTON	71
11	VTD001080126	GREENFIELD INDUSTRIES	LYNDONVILL	68
12	VTD000791871	BURLINGTON TERMINAL	BURLINGTON	62
13	VTD981065998	G.S. PRECISION	BRATTLEBORO	59
14	VTD988366167	INTERTEK TESTING SERVICES ENV LABS	COLCHESTER	58
15	VTD001081215	ETHAN ALLEN INC.	BEECHER FALLS	53
16	VTD002083434	GENERAL DYNAMICS	BURLINGTON	45
17	VTD002068484	THE SHELburne CORPORATION	SHELburne	44
18	VTD069911873	TIVOLY, INC.	DERBY LINE	38
19	VTD000636449	UNIVERSITY OF VERMONT & ST AG COLLEGE	BURLINGTON	29
20	VTD002068070	BF GOODRICH/SIMMONDS PRECISION	VERGENNES	27
21	VTD002068096	MACK MOLDING COMPANY	ARLINGTON	24
22	VTD000636563	UNIVERSITY OF VERMONT ENV SAFETY FACIL	BURLINGTON	23
23	VTD980670319	VERMONT CIRCUITS, INC.	BRATTLEBORO	21
24	VTP000007802	VERMONT AGENCY OF TRANSPORTATION	WALLINGFORD	20
25	VTD982194193	SB COLLINS INC	ST ALBANS	19
26	VTD988380564	BRADFORD OIL CO., INC.	BRADFORD	19
27	VTD002065654	EVEREADY BATTERY CO.	ST ALBANS	18
28	VTD064436074	EHV-WEIDMANN INDUSTRIES INC	ST JOHNSBURY	17
29	VTD981203557	YANKEE CORP	FAIRFAX	16
30	VTD001083468	ETHAN ALLEN, INC. RANDOLPH DIVISION	RANDOLPH	15
31	VTD020673299	ESSEX GROUP, US SAMICA	RUTLAND	14
32	VTP000006769	GREAT BROOK FURNITURE, LTD	NORTH SPRINGFIELD	13
33	VTR000003582	SUNOCO GASOLINE STATION	WATERBURY CENTER	12
34	VTD990800575	ETHAN ALLEN, INC., ISLAND POND DIVISION	ISLAND POND	12
35	VTR000005348	VERMONT TUBBS	BRANDON	12
36	VTD000649780	GENERAL DYNAMICS	BURLINGTON	11
37	VTD988375580	MACE SECURITIES INT'L	BENNINGTON	11
38	VTD001086131	FAIRBANKS SCALES	ST JOHNSBURY	11
39	VTP000007693	VERMONT AGENCY OF TRANSPORTATION	SOUTH BURLINGTON	10
40	VTD001089226	FELLOWS CORPORATION	NORTH SPRINGFIELD	9
41	VTD002067254	BLODGETT OVEN CO.	BURLINGTON	9
42	VT6572824294	VT AIR NATIONAL GUARD, 158 FW	SOUTH BURLINGTON	7
43	VTP000007691	VERMONT AGENCY OF TRANSPORTATION	SOUTH BURLINGTON	7
44	VTP000007675	VERMONT AGENCY OF TRANSPORTATION	SOUTH BURLINGTON	7
45	VTP000007692	VERMONT AGENCY OF TRANSPORTATION	SOUTH BURLINGTON	6
46	VTD045014602	FIBERMARK, INC.	BRATTLEBORO	6
47	VTD045648243	LAVALLEE AND IDE, INC.	WINOOSKI	6
48	VTD002068856	VELAN VALVE CORP.	WILLISTON	6
49	VTP000007875	WINDSOR SCHOOL	WINDSOR	5
50	VTP000003155	BARROWS COAL COMPANY	BRATTLEBORO	5

TOTAL

5,145

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY SHIPPERS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

VERMONT

1997 WASTE RECEIPTS

15 NUMBER OF RCRA HAZARDOUS WASTE RECEIVERS: 4

16 QUANTITY OF RCRA HAZARDOUS WASTE RECEIVED: 1,247 TONS

17 FIFTY LARGEST RCRA HAZARDOUS WASTE RECEIVERS, 1997

RANK	EPA ID	SITE NAME	CITY	QUANTITY RECEIVED (TONS)
----	-----	-----	----	-----
1	VTD982766537	POLLUTION SOLUTIONS OF VERMONT INC	WILLISTON	860
2	VTD000791699	SAFETY KLEEN CORP	BARRE	321
3	VTD000636563	UNIVERSITY OF VERMONT ENV SAFETY FACIL	BURLINGTON	66
4	VTD002084705	IBM CORPORATION	ESSEX JCT	0
TOTAL				1,247

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY FACILITIES THAT RECEIVED WASTE.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

VERMONT

1997 WASTE RECEIPTS, CONTINUED

TABLES 18, 19 AND 20 HAVE BEEN OMITTED FROM THIS REPORT BECAUSE THERE WERE NO FACILITIES IN VERMONT THAT REPORTED RECEIVING RCRA HAZARDOUS WASTE FROM OFFSITE IN 1997 OTHER THAN STORAGE ONLY FACILITIES.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

VERMONT

1997 IMPORTS AND EXPORTS

21 QUANTITY OF RCRA HAZARDOUS WASTE IMPORTED: 815 TONS

22 QUANTITY OF RCRA HAZARDOUS WASTE EXPORTED: 5,082 TONS

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

VIRGIN ISLANDS

1997 WASTE GENERATION

1 NUMBER OF RCRA LARGE QUANTITY GENERATORS (LQGS): 2

2 QUANTITY OF RCRA HAZARDOUS WASTE GENERATED: 2,811 TONS

3 FIFTY LARGEST RCRA HAZARDOUS WASTE GENERATORS IN THE STATE, 1997

RANK	EPA ID	SITE NAME	CITY	TOTAL GENERATED (TONS)
----	-----	-----	----	-----
1	VID980536080	HESS OIL VIRGIN ISLANDS CORP.	KINGSHILLST. CROIX	2,810
2	VID980536064	TEXACO CARIBBEAN INC ST. THOMAS TERMINAL	ST. THOMAS	1
TOTAL				2,811

NOTE: STATE MAY HAVE FEWER THAN FIFTY GENERATORS.
GENERATORS WITH ZERO QUANTITY GENERATED ARE EXCLUDED.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

VIRGIN ISLANDS

1997 WASTE GENERATION, CONTINUED

4 QUANTITIES OF WASTE GENERATED IN 1997 THAT WERE

- REPORTED WITH ONLY CHARACTERISTIC WASTE CODES
 - REPORTED WITH ONLY LISTED WASTE CODES
 - REPORTED WITH BOTH CHARACTERISTIC AND LISTED WASTE CODES

WASTE HAS ONLY CHARACTERISTIC CODES	TONS OF WASTE GENERATED	WASTE HAS ONLY LISTED CODES	TONS OF WASTE GENERATED	WASTE HAS BOTH CHARACTERISTIC AND LISTED CODES	TONS OF WASTE GENERATED
ONLY IGNITABLE	3	ONLY AN F CODE	329		
ONLY CORROSIVE	0	ONLY A K CODE	46		
ONLY REACTIVE	0	ONLY A P CODE	0		
ONLY D004-17	310	ONLY A U CODE	0		
ONLY D018-43	696				
HAS MORE THAN ONE CHARACTERISTIC CODE	516	HAS MORE THAN ONE LISTED CODE	670		
TOTAL	1,525	TOTAL	1,044	BOTH CHARACTERISTIC & LISTED	241

5 QUANTITIES OF WASTE GENERATED IN 1997 THAT WERE MULTIPLY CODED

WASTE HAS ONLY CHARACTERISTIC CODES BUT MORE THAN ONE APPLIES	TONS OF WASTE GENERATED	ONLY LISTED CODES BUT HAS MORE THAN ONE	TONS OF WASTE GENERATED	BOTH CHAR, AND LISTED CODES	TONS OF WASTE GENERATED
HAS IGNITABLE CODE	516			IGN. W/ AT LEAST 1 LSTD	26
HAS CORROSIVE CODE	0			CORR. W/ AT LEAST 1 LSTD	0
HAS REACTIVE CODE	0			REACT. W/ AT LEAST 1 LSTD	0
HAS D004-D017 CODE	427			D004-17 W/ AT LEAST 1 LSTD	26
HAS D018-D043 CODE	516			D018-43 W/ AT LEAST 1 LSTD	215
		HAS AN F CODE	670	F WASTE W/ AT LEAST 1 CHAR	26
		HAS A K CODE	670	K WASTE W/ AT LEAST 1 CHAR	215
		HAS A P CODE	0	P WASTE W/ AT LEAST 1 CHAR	0
		HAS A U CODE	0	U WASTE W/ AT LEAST 1 CHAR	0
TOTAL	516	TOTAL	670	TOTAL	241

NOTE: COLUMNS DO NOT SUM TO TOTAL BECAUSE A WASTE CODE MAY APPLY TO MORE THAN ONE WASTE.
 MIXTURES WITH IGNITABLE, CORROSIVE, REACTIVE, D004-17, AND D018-43 CHARACTERISTIC CODES ALSO MAY
 CONTAIN OTHER CHARACTERISTIC WASTE CODES.
 SIMILARLY, WASTES WITH F,K,P, AND U LISTED CODES MAY HAVE OTHER LISTED WASTE CODES.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

VIRGIN ISLANDS

1997 WASTE MANAGEMENT

6 NUMBER OF RCRA TSD FACILITIES: 1

7 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED: 659 TONS

8 FIFTY LARGEST RCRA HAZARDOUS WASTE MANAGEMENT FACILITIES, 1997

RANK	EPA ID	SITE NAME	CITY	TONS OF WASTE MANAGED
----	-----	-----	----	-----
1	VID980536080	HESS OIL VIRGIN ISLANDS CORP.	KINGSHILLST. CROIX	659
TOTAL				659

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
 STATE MAY HAVE FEWER THAN FIFTY FACILITIES THAT MANAGED WASTE.
 FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

VIRGIN ISLANDS

1997 WASTE MANAGEMENT, CONTINUED

9 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY MANAGEMENT METHOD, 1997

MANAGEMENT METHOD -----	SYSTEM TYPE CODE -----	QUANTITY MANAGED (TONS) -----	PERCENTAGE OF QUANTITY -----	NUMBER OF FACILITIES -----	PERCENTAGE OF FACILITIES -----
LAND TREATMENT / APPLICATION / FARMING	M131	659	100.0	1	100.0
TOTAL		659	100.0	1	

10 MANAGEMENT METHOD, BY QUANTITY OF RCRA HAZARDOUS WASTE MANAGED, 1997

MANAGEMENT METHOD -----	SYSTEM TYPE CODE -----	QUANTITY MANAGED (TONS) -----	PERCENTAGE OF QUANTITY -----	NUMBER OF FACILITIES -----	PERCENTAGE OF FACILITIES -----
LAND TREATMENT / APPLICATION / FARMING	M131	659	100.0	1	100.0
TOTAL		659	100.0	1	

11 MANAGEMENT METHOD AND QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY NUMBER OF FACILITIES, 1997

MANAGEMENT METHOD -----	SYSTEM TYPE CODE -----	QUANTITY MANAGED (TONS) -----	PERCENTAGE OF QUANTITY -----	NUMBER OF FACILITIES -----	PERCENTAGE OF FACILITIES -----
LAND TREATMENT / APPLICATION / FARMING	M131	659	100.0	1	100.0
TOTAL		659	100.0	1	

NOTE: FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.
 COLUMNS MAY NOT SUM DUE TO ROUNDING.
 COLUMNS MAY NOT SUM TO TOTAL BECAUSE FACILITIES MAY HAVE MULTIPLE HANDLING METHODS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

VIRGIN ISLANDS

1997 WASTE SHIPMENTS

12 NUMBER OF RCRA HAZARDOUS WASTE SHIPPERS: 2

13 QUANTITY OF RCRA HAZARDOUS WASTE SHIPPED: 2,059 TONS

14 FIFTY LARGEST RCRA HAZARDOUS WASTE SHIPPERS, 1997

RANK	EPA ID	SITE NAME	CITY	QUANTITY SHIPPED (TONS)
----	-----	-----	----	-----
1	VID980536080	HESS OIL VIRGIN ISLANDS CORP.	KINGSHILLST. CROIX	2,058
2	VID980536064	TEXACO CARIBBEAN INC ST. THOMAS TERMINAL	ST. THOMAS	1
TOTAL				2,059

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY SHIPPERS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

VIRGIN ISLANDS

1997 WASTE RECEIPTS

TABLES 15, 16, 17, 18, 19 AND 20 HAVE BEEN OMITTED FROM THIS REPORT BECAUSE THERE WERE NO FACILITIES IN THE VIRGIN ISLANDS THAT REPORTED RECEIVING RCRA HAZARDOUS WASTE IN 1997.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

VIRGIN ISLANDS

1997 IMPORTS AND EXPORTS

21 QUANTITY OF RCRA HAZARDOUS WASTE IMPORTED: 0 TONS

22 QUANTITY OF RCRA HAZARDOUS WASTE EXPORTED: 2,059 TONS

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

VIRGINIA

1997 WASTE GENERATION

1 NUMBER OF RCRA LARGE QUANTITY GENERATORS (LQGS): 329

2 QUANTITY OF RCRA HAZARDOUS WASTE GENERATED: 57,395 TONS

3 FIFTY LARGEST RCRA HAZARDOUS WASTE GENERATORS IN THE STATE, 1997

RANK	EPA ID	SITE NAME	CITY	TOTAL GENERATED (TONS)
1	VAD980554539	E. I. DUPONT DE NEMOURS	FRONT ROYAL	7,936
2	VAD003122553	ROANOKE ELECTRIC STEEL CORP	ROANOKE	7,405
3	VAD065385296	ALLIED SIGNAL INC	HOPEWELL	4,123
4	VAD003111416	PRILLAMAN CHEMICAL CORP	MARTINSVILLE	3,917
5	VAD001705110	MERCK & CO., INC.	ELKTON	2,757
6	VA6170061463	COMMANDER, NAVAL BASE, NORFOLK	NORFOLK	2,006
7	VAD981034895	AUTOMATA INC	STERLING	1,622
8	VAD065417008	GRIFFIN PIPE PRODUCTS CO.	LYNCHBURG	1,394
9	VAD988170684	HICKSON DANCHEM CORP	DANVILLE	1,107
10	VAD003177391	FORD MOTOR COMPANY - NORFOLK ASSEMBLY PL	NORFOLK	1,084
11	VAD066000993	VIASYSTEMS TECHNOLOGIES CORP.	RICHMOND	1,018
12	VA1210020730	RADFORD ARMY AMMUNITION PLANT	RADFORD	947
13	VAD009305137	DUPONT SPRUANCE PLT	RICHMOND	900
14	VAD093561652	B I CHEMICALS INC	PETERSBURG	819
15	VAD001307495	NEWPORT NEWS SHIPBUILDING	NEWPORT NEWS	790
16	VAD988223574	COYNE TEXTILE SERVICES	COLONIAL HEIGHTS	746
17	VA1170024813	NORFOLK NAVAL SHIPYARD	PORTSMOUTH	735
18	VAD000798702	WESTVACO CONSUMER PACKAGING DIV PLT 1	RICHMOND	685
19	VAD083059311	VIRGINIA GALVANIZING CORPORATION	ASHLAND	601
20	VAD066003161	VOLVO TRUCKS NORTH AMERICA, INC.	DUBLIN	557
21	VAD000731133	COLONIAL PIPELINE CO - MITCHELL JCT	COLUMBIA	555
22	VAD003062742	OSULLIVAN CORPORATION	WINCHESTER	528
23	VAD046960449	BWX TECHNOLOGIES, INC., NNFD	LYNCHBURG	494
24	VAD003175072	NORFOLK SHIPBUILDING AND DRYDOCK CORP	NORFOLK	477
25	VAD980714588	WESTVACO CONSUMER PACKAGING DIV PLT 4	RICHMOND	438
26	VAD054039961	FEDERAL MOGUL CORP	BLACKSBURG	414
27	VAD050990357	AMOCO PETROLEUM PRODUCTS- YORKTOWN	GRAFTON	401
28	VAD982573156	C S POLYMER INC	NEWPORT NEWS	367
29	VAD003175262	CLARIANT CORP	PORTSMOUTH	338
30	VAD003114832	E I DUPONT DE NEMOURS & CO INC	WAYNESBORO	335
31	VAR000004481	SARTOMER CO INC	CHATHAM	311
32	VAD089028377	REHRIG INTL	RICHMOND	307
33	VAD988211850	GREYSTONE OF VIRGINIA	TOANO	305
34	VAD982573248	VISHAY-VITRAMON ROANOKE	ROANOKE	302
35	VAD096372974	BRISTOL COMPRESSORS INC	BRISTOL	283
36	VAD000019828	AKZO NOBEL COATINGS INC	ROANOKE	280
37	VAD075612564	MICROMETRICS SYSTEMS	MEADOWS OF DAN	270
38	VAD046979498	RICHMOND GRAVURE INTL PAPER	RICHMOND	267
39	VAD000820712	UNIVERSITY OF VIRGINIA	CHARLOTTESVILLE	221
40	VAD065378515	BELLWOOD PRINTING PLT	RICHMOND	213
41	VAD980831283	LOFTON CORP	RAPHINE	213
42	VAD054040456	SIEMENS AUTOMOTIVE	NEWPORT NEWS	209
43	VAD988204186	ETHYL PETROLEUM ADDITIVES INC	RICHMOND	193
44	VAD066008780	COURTAULDS PERFORMANCE FILMS	FIELDALE	190
45	VAD148239569	SHOREWOOD PACKAGING	NEWPORT NEWS	171
46	VAD071226930	WASHINGTON POST THE, SPRINGFIELD PLANT	SPRINGFIELD	165
47	VAD043344472	ELECTROPLATE-RITE CORP THE	DUBLIN	164
48	VAD003109360	FERGUSON J W & SONS INC	RICHMOND	163
49	VAD003127008	LANE CO THE	ALTAVISTA	153
50	VAD099605842	GOLDSCHMIDT CHEMICAL CORP	HOPEWELL	147

TOTAL

50,022

NOTE: STATE MAY HAVE FEWER THAN FIFTY GENERATORS.
GENERATORS WITH ZERO QUANTITY GENERATED ARE EXCLUDED.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

VIRGINIA

1997 WASTE GENERATION, CONTINUED

4 QUANTITIES OF WASTE GENERATED IN 1997 THAT WERE

- REPORTED WITH ONLY CHARACTERISTIC WASTE CODES
- REPORTED WITH ONLY LISTED WASTE CODES
- REPORTED WITH BOTH CHARACTERISTIC AND LISTED WASTE CODES

WASTE HAS ONLY CHARACTERISTIC CODES	TONS OF WASTE GENERATED	WASTE HAS ONLY LISTED CODES	TONS OF WASTE GENERATED	WASTE HAS BOTH CHARACTERISTIC AND LISTED CODES	TONS OF WASTE GENERATED
ONLY IGNITABLE	5,169	ONLY AN F CODE	5,157		
ONLY CORROSIVE	1,446	ONLY A K CODE	7,649		
ONLY REACTIVE	582	ONLY A P CODE	0		
ONLY D004-17	3,966	ONLY A U CODE	161		
ONLY D018-43	514				
HAS MORE THAN ONE CHARACTERISTIC CODE	17,570	HAS MORE THAN ONE LISTED CODE	70		
TOTAL	29,247	TOTAL	13,038	BOTH CHARACTERISTIC & LISTED	15,088

5 QUANTITIES OF WASTE GENERATED IN 1997 THAT WERE MULTIPLY CODED

WASTE HAS ONLY CHARACTERISTIC CODES BUT MORE THAN ONE APPLIES	TONS OF WASTE GENERATED	ONLY LISTED CODES BUT HAS MORE THAN ONE	TONS OF WASTE GENERATED	BOTH CHAR, AND LISTED CODES	TONS OF WASTE GENERATED
HAS IGNITABLE CODE	14,116			IGN. W/ AT LEAST 1 LSTD	11,954
HAS CORROSIVE CODE	7,187			CORR. W/ AT LEAST 1 LSTD	49
HAS REACTIVE CODE	116			REACT. W/ AT LEAST 1 LSTD	138
HAS D004-D017 CODE	12,713			D004-17 W/ AT LEAST 1 LSTD	3,727
HAS D018-D043 CODE	9,368			D018-43 W/ AT LEAST 1 LSTD	3,088
		HAS AN F CODE	69	F WASTE W/ AT LEAST 1 CHAR	15,015
		HAS A K CODE	0	K WASTE W/ AT LEAST 1 CHAR	14
		HAS A P CODE	2	P WASTE W/ AT LEAST 1 CHAR	41
		HAS A U CODE	70	U WASTE W/ AT LEAST 1 CHAR	29
TOTAL	17,570	TOTAL	70	TOTAL	15,088

NOTE: COLUMNS DO NOT SUM TO TOTAL BECAUSE A WASTE CODE MAY APPLY TO MORE THAN ONE WASTE.
 MIXTURES WITH IGNITABLE, CORROSIVE, REACTIVE, D004-17, AND D018-43 CHARACTERISTIC CODES ALSO MAY
 CONTAIN OTHER CHARACTERISTIC WASTE CODES.
 SIMILARLY, WASTES WITH F,K,P, AND U LISTED CODES MAY HAVE OTHER LISTED WASTE CODES.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

VIRGINIA

1997 WASTE MANAGEMENT

6 NUMBER OF RCRA TSD FACILITIES: 32

7 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED: 47,737 TONS

8 FIFTY LARGEST RCRA HAZARDOUS WASTE MANAGEMENT FACILITIES, 1997

RANK	EPA ID	SITE NAME	CITY	TONS OF WASTE MANAGED
----	-----	-----	----	-----
1	VAD042755082	SOLITE CORP - AF OLD PLT	ARVONIA	19,027
2	VAD046970521	VIRGINIA SOLITE CO	CASCADE	18,685
3	VAD003111416	PRILLAMAN CHEMICAL CORP	MARTINSVILLE	5,608
4	VAD065385296	ALLIED SIGNAL INC	HOPEWELL	3,954
5	VAI210020730	RADFORD ARMY AMMUNITION PLANT	RADFORD	337
6	VAD055046049	COOK COMPOSITES & POLYMER CO.	CHATHAM	39
7	VA7170024684	NAVAL SURFACE WARFARE CENTER DAHLGREN	DAHLGREN	38
8	VAD023741705	ATLANTIC RESERACH CORP GAINESVILLE	GAINESVILLE	16
9	VAD062373600	ASHLAND ROANOKE	ROANOKE	13
10	VA8170024170	NAVAL WEAPONS STATION YORKTOWN	YORKTOWN	13
11	VAD981112618	ATLANTIC RESEARCH CORP	RHOADSVILLE	7
12	VA1170024813	NORFOLK NAVAL SHIPYARD	PORTSMOUTH	0
TOTAL				47,737

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY FACILITIES THAT MANAGED WASTE.
FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

VIRGINIA

1997 WASTE MANAGEMENT, CONTINUED

9 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY MANAGEMENT METHOD, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
SOLVENTS RECOVERY	M021-M029	5,608	11.7	2	16.7
INCINERATION	M041-M049	4,291	9.0	2	16.7
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	37,751	79.1	3	25.0
FUEL BLENDING	M061	13	.0	1	8.3
OTHER DISPOSAL SPECIFIED IN COMMENTS	M137	74	.2	4	33.3
TOTAL		47,737	100.0	12	

10 MANAGEMENT METHOD, BY QUANTITY OF RCRA HAZARDOUS WASTE MANAGED, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	37,751	79.1	3	25.0
SOLVENTS RECOVERY	M021-M029	5,608	11.7	2	16.7
INCINERATION	M041-M049	4,291	9.0	2	16.7
OTHER DISPOSAL SPECIFIED IN COMMENTS	M137	74	.2	4	33.3
FUEL BLENDING	M061	13	.0	1	8.3
TOTAL		47,737	100.0	12	

11 MANAGEMENT METHOD AND QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY NUMBER OF FACILITIES, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
OTHER DISPOSAL SPECIFIED IN COMMENTS	M137	74	.2	4	33.3
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	37,751	79.1	3	25.0
SOLVENTS RECOVERY	M021-M029	5,608	11.7	2	16.7
INCINERATION	M041-M049	4,291	9.0	2	16.7
FUEL BLENDING	M061	13	.0	1	8.3
TOTAL		47,737	100.0	12	

NOTE: FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.
COLUMNS MAY NOT SUM DUE TO ROUNDING.
COLUMNS MAY NOT SUM TO TOTAL BECAUSE FACILITIES MAY HAVE MULTIPLE HANDLING METHODS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

VIRGINIA

1997 WASTE SHIPMENTS

12 NUMBER OF RCRA HAZARDOUS WASTE SHIPPERS: 289

13 QUANTITY OF RCRA HAZARDOUS WASTE SHIPPED: 93,333 TONS

14 FIFTY LARGEST RCRA HAZARDOUS WASTE SHIPPERS, 1997

RANK	EPA ID	SITE NAME	CITY	QUANTITY SHIPPED (TONS)
----	-----	-----	----	-----
1	VAD077942266	OLDOVER CORPORATION - CASCADE, VA	CASCADE	20,650
2	VAD098443443	OLDOVER CORP ARVONIA	ARVONIA	19,890
3	VAD003122553	ROANOKE ELECTRIC STEEL CORP	ROANOKE	6,495
4	VAD980554539	E. I. DUPONT DE NEMOURS	FRONT ROYAL	4,636
5	VAD003111416	PRILLAMAN CHEMICAL CORP	MARTINSVILLE	3,897
6	VAD001705110	MERCK & CO., INC.	ELKTON	2,757
7	VAD981043011	SAFETY-KLEEN CHESTER	CHESTER	2,514
8	VA6170061463	COMMANDER, NAVAL BASE, NORFOLK	NORFOLK	2,035
9	VAD980831283	LOFTON CORP	RAPHINE	1,904
10	VAD000737346	SAFETY-KLEEN CHESAPEAKE	CHESAPEAKE	1,776
11	VAD981034895	AUTOMATA INC	STERLING	1,622
12	VAD988170684	HICKSON DANCHEM CORP	DANVILLE	1,107
13	VAD003177391	FORD MOTOR COMPANY - NORFOLK ASSEMBLY PL	NORFOLK	1,084
14	VAD066000993	VIASYSTEMS TECHNOLOGIES CORP.	RICHMOND	1,018
15	VAD009305137	DUPONT SPRUANCE PLT	RICHMOND	900
16	VAD093561652	B I CHEMICALS INC	PETERSBURG	819
17	VAD000737361	SAFETY-KLEEN VINTON	VINTON	779
18	VAD988223574	COYNE TEXTILE SERVICES	COLONIAL HEIGHTS	746
19	VAD001307495	NEWPORT NEWS SHIPBUILDING	NEWPORT NEWS	744
20	VAD000798702	WESTVACO CONSUMER PACKAGING DIV PLT 1	RICHMOND	685
21	VA1210020730	RADFORD ARMY AMMUNITION PLANT	RADFORD	610
22	VAD083059311	VIRGINIA GALVANIZING CORPORATION	ASHLAND	601
23	VA1170024813	NORFOLK NAVAL SHIPYARD	PORTSMOUTH	593
24	VAD066003161	VOLVO TRUCKS NORTH AMERICA, INC.	DUBLIN	557
25	VAD000731133	COLONIAL PIPELINE CO - MITCHELL JCT	COLUMBIA	555
26	VAD046960449	BWX TECHNOLOGIES, INC., NNFD	LYNCHBURG	513
27	VAD003175072	NORFOLK SHIPBUILDING AND DRYDOCK CORP	NORFOLK	477
28	VAD980714588	WESTVACO CONSUMER PACKAGING DIV PLT 4	RICHMOND	438
29	VAD054039961	FEDERAL MOGUL CORP	BLACKSBURG	414
30	VAD982573156	C S POLYMER INC	NEWPORT NEWS	367
31	VAD003175262	CLARANT CORP	PORTSMOUTH	357
32	VAD003114832	E I DUPONT DE NEMOURS & CO INC	WAYNESBORO	326
33	VAR000004481	SARTOMER CO INC	CHATHAM	311
34	VAD089028377	REHRIG INTL	RICHMOND	307
35	VAD096372974	BRISTOL COMPRESSORS INC	BRISTOL	283
36	VAD000019828	AKZO NOBEL COATINGS INC	ROANOKE	280
37	VAD046979498	RICHMOND GRAVURE INTL PAPER	RICHMOND	267
38	VAD075612564	MICROMETRICS SYSTEMS	MEADOWS OF DAN	251
39	VAD003062742	OSULLIVAN CORPORATION	WINCHESTER	245
40	VAD982573248	VISHAY-VITRAMON ROANOKE	ROANOKE	225
41	VAD065378515	BELLWOOD PRINTING PLT	RICHMOND	213
42	VAD054040456	SIEMENS AUTOMOTIVE	NEWPORT NEWS	204
43	VAD988204186	ETHYL PETROLEUM ADDITIVES INC	RICHMOND	193
44	VAD066008780	COURTAULDS PERFORMANCE FILMS	FIELDALE	190
45	VAD148239569	SHOREWOOD PACKAGING	NEWPORT NEWS	171
46	VAD065385296	ALLIED SIGNAL INC	HOPEWELL	169
47	VAD071226930	WASHINGTON POST THE, SPRINGFIELD PLANT	SPRINGFIELD	165
48	VAD043344472	ELECTROPLATE-RITE CORP THE	DUBLIN	164
49	VAD003109360	FERGUSON J W & SONS INC	RICHMOND	163
50	VA5170000181	NORFOLK NAVAL SHIPYARD	PORTSMOUTH	159

TOTAL

85,822

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY SHIPPERS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

VIRGINIA

1997 WASTE RECEIPTS

15 NUMBER OF RCRA HAZARDOUS WASTE RECEIVERS: 9

16 QUANTITY OF RCRA HAZARDOUS WASTE RECEIVED: 80,722 TONS

17 FIFTY LARGEST RCRA HAZARDOUS WASTE RECEIVERS, 1997

RANK	EPA ID	SITE NAME	CITY	QUANTITY RECEIVED (TONS)
----	-----	-----	----	-----
1	VAD042755082	SOLITE CORP - AF OLD PLT	ARVONIA	19,027
2	VAD046970521	VIRGINIA SOLITE CO	CASCADE	18,685
3	VAD098443443	OLDOVER CORP ARVONIA	ARVONIA	17,580
4	VAD077942266	OLDOVER CORPORATION - CASCADE, VA	CASCADE	16,672
5	VAD003111416	PRILLAMAN CHEMICAL CORP	MARTINSVILLE	5,558
6	VAD981043011	SAFETY-KLEEN CHESTER	CHESTER	1,651
7	VAD000737346	SAFETY-KLEEN CHESAPEAKE	CHESAPEAKE	905
8	VAD000737361	SAFETY-KLEEN VINTON	VINTON	631
9	VAD062373600	ASHLAND ROANOKE	ROANOKE	13

TOTAL				80,722
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NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY FACILITIES THAT RECEIVED WASTE.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

VIRGINIA

1997 WASTE RECEIPTS, CONTINUED

**18 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY MANAGEMENT METHOD,
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997**

MANAGEMENT METHOD -----	SYSTEM TYPE CODE -----	QUANTITY MANAGED (TONS) -----	PERCENTAGE OF QUANTITY -----	NUMBER OF FACILITIES -----	PERCENTAGE OF FACILITIES -----
SOLVENTS RECOVERY	M021-M029	5,558	12.8	1	25.0
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	37,712	87.1	2	50.0
FUEL BLENDING	M061	13	.0	1	25.0
TOTAL		43,283	100.0	4	

**19 MANAGEMENT METHOD, BY QUANTITY OF RCRA HAZARDOUS WASTE MANAGED
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997**

MANAGEMENT METHOD -----	SYSTEM TYPE CODE -----	QUANTITY MANAGED (TONS) -----	PERCENTAGE OF QUANTITY -----	NUMBER OF FACILITIES -----	PERCENTAGE OF FACILITIES -----
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	37,712	87.1	2	50.0
SOLVENTS RECOVERY	M021-M029	5,558	12.8	1	25.0
FUEL BLENDING	M061	13	.0	1	25.0
TOTAL		43,283	100.0	4	

**20 MANAGEMENT METHOD AND QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY NUMBER OF FACILITIES,
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997**

MANAGEMENT METHOD -----	SYSTEM TYPE CODE -----	QUANTITY MANAGED (TONS) -----	PERCENTAGE OF QUANTITY -----	NUMBER OF FACILITIES -----	PERCENTAGE OF FACILITIES -----
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	37,712	87.1	2	50.0
FUEL BLENDING	M061	13	.0	1	25.0
SOLVENTS RECOVERY	M021-M029	5,558	12.8	1	25.0
TOTAL		43,283	100.0	4	

NOTE: FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.
COLUMNS MAY NOT SUM DUE TO ROUNDING.
COLUMNS MAY NOT SUM TO TOTAL BECAUSE FACILITIES MAY HAVE MULTIPLE HANDLING METHODS.

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VIRGINIA

1997 IMPORTS AND EXPORTS

21	QUANTITY OF RCRA HAZARDOUS WASTE IMPORTED:	32,840 TONS
22	QUANTITY OF RCRA HAZARDOUS WASTE EXPORTED:	46,533 TONS

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

WASHINGTON

1997 WASTE GENERATION

1 NUMBER OF RCRA LARGE QUANTITY GENERATORS (LQGS): 595

2 QUANTITY OF RCRA HAZARDOUS WASTE GENERATED: 126,601 TONS

3 FIFTY LARGEST RCRA HAZARDOUS WASTE GENERATORS IN THE STATE, 1997

RANK	EPA ID	SITE NAME	CITY	TOTAL GENERATED (TONS)
----	-----	-----	----	-----
1	WAD041337130	BOEING AUBURN	AUBURN	17,672
2	WA2170023418	USN PSNS BREMERTON	BREMERTON	12,005
3	WAD988487583	BIRMINGHAM STEEL CORP SEATTLE DIVISION	SEATTLE	11,433
4	WAD980724520	WESTERN PROCESSING CO INC	KENT	9,081
5	WAD009488131	INTALCO ALUMINUM CORP FERNDAL	FERNDAL	8,686
6	WAD990828642	GOLDENDALE ALUMINUM CO	GOLDENDALE	6,529
7	WA9571924647	USAF FAIRCHILD AFB	SPOKANE	6,503
8	WA0000894287	TRIPOINT	VANCOUVER	3,539
9	WAD000065508	KAISER ALUMINUM & CHEMICAL CORP MEAD	MEAD	3,528
10	WAH000001479	US DOE NRO HAUSER PROPERTY SITE	DES MOINES	2,670
11	WAD981768294	CIR QUICK INC	KIRKLAND	2,511
12	WAD009270794	ALCOA WENATCHEE WORKS	MALAGA	2,476
13	WAD009256819	BOEING PLANT 2	SEATTLE	2,401
14	WAD980833099	SEH AMERICA INC	VANCOUVER	2,323
15	WAD981769110	SOL PRO INC	TACOMA	2,288
16	WAD001882984	KAISER ALUMINUM TACOMA WORKS	TACOMA	2,254
17	WAD981766751	VANALCO INC	VANCOUVER	2,113
18	WAH000001206	US DA CASHMAN MINERAL SPRINGS SITE	SKYKOMISH	1,850
19	WAD009262171	BOEING RENTON	RENTON	1,815
20	WA7890008967	US DEPT OF ENERGY	RICHLAND	1,591
21	WAR000006262	PROTOTRON CIRCUITS INC	REDMOND	1,562
22	WAD041585464	BOEING EVERETT	EVERETT	1,474
23	WAD980723738	JOSEPH SIMON & SONS INC	TACOMA	1,457
24	WAD980976625	ALLWEATHER WOOD TREATERS	WASHOUGAL	1,284
25	WAD020257945	BURLINGTON ENVIRONMENTAL INC TACOMA	TACOMA	1,224
26	WAD092899574	BF GOODRICH KALAMA INC	KALAMA	932
27	WAD000812909	BURLINGTON ENVIRONMENTAL INC GEORGE	SEATTLE	804
28	WA5170027291	USN BANGOR SUBMARINE BASE	SILVERDALE	684
29	WAD009252297	GEORGIA PACIFIC	BELLINGHAM	489
30	WAD991281767	BURLINGTON ENVIRONMENTAL INC KENT	KENT	429
31	WAD009422411	PACIFIC WOOD TREATING CORP	RIDGEFIELD	422
32	WAD009253246	ELF ATOCHEM 2901 TAYLOR WAY	TACOMA	393
33	WA9214053465	USARMY HQ I CORPS & FORT LEWIS	FT LEWIS	342
34	WAD988482592	BOEING FREDERICKSON	PUYALLUP	338
35	WAD009276197	TEXACO REFINING & MARKETING	ANACORTES	329
36	WAD980987432	ARCO PRODUCTS CO CHERRY POINT REFINERY	BLAINE	322
37	WAD009067281	KAISER ALUMINUM TRENTWOOD	SPOKANE	320
38	WAR000011536	BROADWAY SHELL	EVERETT	315
39	WAD980982383	AVX VANCOUVER CORP	VANCOUVER	275
40	WAD061670766	BOEING S&CS SPACE CENTER	KENT	258
41	WAR000010397	TESSENDERLO KERLEY INC	KENNEWICK	249
42	WAD988517934	KENWORTH TRUCK CO RENTON	RENTON	233
43	WAD980738868	MATSUSHITA SEMICONDUCTOR CORP OF AMERICA	PUYALLUP	231
44	WAD000064642	JOHNSON MATTHEY ELECTRONICS INC	SPOKANE	227
45	WAD042480210	SEATTLE PORT OF KENT SITE	KENT	213
46	WA1170023419	USN KEYPORT OUL	KEYPORT	212
47	WAD980982037	BOEING NORTH BOEING FIELD	SEATTLE	206
48	WAD009275082	TESORO NORTHWEST CO	ANACORTES	171
49	WAD988478723	NORTHWEST ETCH TECHNOLOGY INC TACOMA	TACOMA	170
50	WAD009255647	SHIELDS BAG & PRINTING CO	YAKIMA	165
TOTAL				118,998

NOTE: STATE MAY HAVE FEWER THAN FIFTY GENERATORS.
GENERATORS WITH ZERO QUANTITY GENERATED ARE EXCLUDED.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

WASHINGTON

1997 WASTE GENERATION, CONTINUED

4 QUANTITIES OF WASTE GENERATED IN 1997 THAT WERE

- REPORTED WITH ONLY CHARACTERISTIC WASTE CODES
 - REPORTED WITH ONLY LISTED WASTE CODES
 - REPORTED WITH BOTH CHARACTERISTIC AND LISTED WASTE CODES

WASTE HAS ONLY CHARACTERISTIC CODES	TONS OF WASTE GENERATED	WASTE HAS ONLY LISTED CODES	TONS OF WASTE GENERATED	WASTE HAS BOTH CHARACTERISTIC AND LISTED CODES	TONS OF WASTE GENERATED
ONLY IGNITABLE	801	ONLY AN F CODE	16,618		
ONLY CORROSIVE	301	ONLY A K CODE	37,788		
ONLY REACTIVE	330	ONLY A P CODE	90		
ONLY D004-17	51,043	ONLY A U CODE	1,233		
ONLY D018-43	845				
HAS MORE THAN ONE CHARACTERISTIC CODE	7,807	HAS MORE THAN ONE LISTED CODE	3		
TOTAL	61,127	TOTAL	55,732	BOTH CHARACTERISTIC & LISTED	9,742

5 QUANTITIES OF WASTE GENERATED IN 1997 THAT WERE MULTIPLY CODED

WASTE HAS ONLY CHARACTERISTIC CODES BUT MORE THAN ONE APPLIES	TONS OF WASTE GENERATED	ONLY LISTED CODES BUT HAS MORE THAN ONE	TONS OF WASTE GENERATED	BOTH CHAR, AND LISTED CODES	TONS OF WASTE GENERATED
HAS IGNITABLE CODE	2,840			IGN. W/ AT LEAST 1 LSTD	6,104
HAS CORROSIVE CODE	4,603			CORR. W/ AT LEAST 1 LSTD	152
HAS REACTIVE CODE	862			REACT. W/ AT LEAST 1 LSTD	89
HAS D004-D017 CODE	7,474			D004-17 W/ AT LEAST 1 LSTD	3,850
HAS D018-D043 CODE	1,516			D018-43 W/ AT LEAST 1 LSTD	4,102
		HAS AN F CODE	1	F WASTE W/ AT LEAST 1 CHAR	9,357
		HAS A K CODE	2	K WASTE W/ AT LEAST 1 CHAR	157
		HAS A P CODE	0	P WASTE W/ AT LEAST 1 CHAR	5
		HAS A U CODE	3	U WASTE W/ AT LEAST 1 CHAR	284
TOTAL	7,807	TOTAL	3	TOTAL	9,742

NOTE: COLUMNS DO NOT SUM TO TOTAL BECAUSE A WASTE CODE MAY APPLY TO MORE THAN ONE WASTE.
 MIXTURES WITH IGNITABLE, CORROSIVE, REACTIVE, D004-17, AND D018-43 CHARACTERISTIC CODES ALSO MAY
 CONTAIN OTHER CHARACTERISTIC WASTE CODES.
 SIMILARLY, WASTES WITH F,K,P, AND U LISTED CODES MAY HAVE OTHER LISTED WASTE CODES.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

WASHINGTON

1997 WASTE MANAGEMENT

6 NUMBER OF RCRA TSD FACILITIES: 30

7 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED: 49,157 TONS

8 FIFTY LARGEST RCRA HAZARDOUS WASTE MANAGEMENT FACILITIES, 1997

RANK	EPA ID	SITE NAME	CITY	TONS OF WASTE MANAGED
----	-----	-----	----	-----
1	WAD041337130	BOEING AUBURN	AUBURN	15,825
2	WA7890008967	US DEPT OF ENERGY	RICHLAND	10,925
3	WAD027530526	BAY ZINC CO INC	MOXEE CITY	9,307
4	WAD991281767	BURLINGTON ENVIRONMENTAL INC KENT	KENT	5,542
5	WAD000812909	BURLINGTON ENVIRONMENTAL INC GEORGE	SEATTLE	4,646
6	WAD981769110	SOL PRO INC	TACOMA	2,466
7	WAD020257945	BURLINGTON ENVIRONMENTAL INC TACOMA	TACOMA	345
8	WAD009477175	CAMERON YAKIMA INC	YAKIMA	84
9	WA2170023418	USN PSNS BREMERTON	BREMERTON	6
10	WAD009262171	BOEING RENTON	RENTON	5
11	WA1170023419	USN KEYPORT OUL	KEYPORT	3
12	WAD009256819	BOEING PLANT 2	SEATTLE	1
13	WA1891406349	US DOE BPA ROSS COMPLEX	VANCOUVER	1
14	WA4170090001	WPNSTA SEAL BEACH DET PORT HADLOCK	PORT HADLOCK	0
TOTAL				49,157

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
 STATE MAY HAVE FEWER THAN FIFTY FACILITIES THAT MANAGED WASTE.
 FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

WASHINGTON

1997 WASTE MANAGEMENT, CONTINUED

9 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY MANAGEMENT METHOD, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
METALS RECOVERY (FOR REUSE)	M011-M019	25,076	51.0	6	42.9
SOLVENTS RECOVERY	M021-M029	886	1.8	4	28.6
OTHER RECOVERY	M031-M039	87	.2	2	14.3
INCINERATION	M041-M049	0	.0	1	7.1
FUEL BLENDING	M061	8,298	16.9	4	28.6
SLUDGE TREATMENT	M101-M109	74	.2	2	14.3
STABILIZATION	M111-M119	3,812	7.8	3	21.4
LANDFILL	M132	10,925	22.2	1	7.1
TOTAL		49,157	100.0	14	

10 MANAGEMENT METHOD, BY QUANTITY OF RCRA HAZARDOUS WASTE MANAGED, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
METALS RECOVERY (FOR REUSE)	M011-M019	25,076	51.0	6	42.9
LANDFILL	M132	10,925	22.2	1	7.1
FUEL BLENDING	M061	8,298	16.9	4	28.6
STABILIZATION	M111-M119	3,812	7.8	3	21.4
SOLVENTS RECOVERY	M021-M029	886	1.8	4	28.6
OTHER RECOVERY	M031-M039	87	.2	2	14.3
SLUDGE TREATMENT	M101-M109	74	.2	2	14.3
INCINERATION	M041-M049	0	.0	1	7.1
TOTAL		49,157	100.0	14	

11 MANAGEMENT METHOD AND QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY NUMBER OF FACILITIES, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
METALS RECOVERY (FOR REUSE)	M011-M019	25,076	51.0	6	42.9
FUEL BLENDING	M061	8,298	16.9	4	28.6
SOLVENTS RECOVERY	M021-M029	886	1.8	4	28.6
STABILIZATION	M111-M119	3,812	7.8	3	21.4
OTHER RECOVERY	M031-M039	87	.2	2	14.3
SLUDGE TREATMENT	M101-M109	74	.2	2	14.3
LANDFILL	M132	10,925	22.2	1	7.1
INCINERATION	M041-M049	0	.0	1	7.1
TOTAL		49,157	100.0	14	

NOTE: FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.
COLUMNS MAY NOT SUM DUE TO ROUNDING.
COLUMNS MAY NOT SUM TO TOTAL BECAUSE FACILITIES MAY HAVE MULTIPLE HANDLING METHODS.

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NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

WASHINGTON

1997 WASTE SHIPMENTS

12 NUMBER OF RCRA HAZARDOUS WASTE SHIPPERS: 549

13 QUANTITY OF RCRA HAZARDOUS WASTE SHIPPED: 100,065 TONS

14 FIFTY LARGEST RCRA HAZARDOUS WASTE SHIPPERS, 1997

RANK	EPA ID	SITE NAME	CITY	QUANTITY SHIPPED (TONS)
----	-----	-----	----	-----
1	WA2170023418	USN PSNS BREMERTON	BREMERTON	12,000
2	WAD988487583	BIRMINGHAM STEEL CORP SEATTLE DIVISION	SEATTLE	11,433
3	WAD980724520	WESTERN PROCESSING CO INC	KENT	9,081
4	WAD000812909	BURLINGTON ENVIRONMENTAL INC GEORGE	SEATTLE	8,248
5	WAD990828642	GOLDENDALE ALUMINUM CO	GOLDENDALE	6,529
6	WA9571924647	USAF FAIRCHILD AFB	SPOKANE	6,503
7	WAD991281767	BURLINGTON ENVIRONMENTAL INC KENT	KENT	4,837
8	WAD000065508	KAISER ALUMINUM & CHEMICAL CORP MEAD	MEAD	3,528
9	WAD020257945	BURLINGTON ENVIRONMENTAL INC TACOMA	TACOMA	2,789
10	WAH000001479	US DOE NRO HAUSER PROPERTY SITE	DES MOINES	2,670
11	WAD009270794	ALCOA WENATCHEE WORKS	MALAGA	2,476
12	WAD009256819	BOEING PLANT 2	SEATTLE	2,399
13	WAD001882984	KAISER ALUMINUM TACOMA WORKS	TACOMA	2,254
14	WAD981766751	VANALCO INC	VANCOUVER	2,113
15	WAD981769110	SOL PRO INC	TACOMA	2,008
16	WAH000001206	US DA CASHMAN MINERAL SPRINGS SITE	SKYKOMISH	1,850
17	WAD041337130	BOEING AUBURN	AUBURN	1,847
18	WAD009262171	BOEING RENTON	RENTON	1,809
19	WAD041585464	BOEING EVERETT	EVERETT	1,474
20	WAD009488131	INTALCO ALUMINUM CORP FERNDALE	FERNDALE	1,048
21	WA5170027291	USN BANGOR SUBMARINE BASE	SILVERDALE	666
22	WAD009252297	GEORGIA PACIFIC	BELLINGHAM	489
23	WAD009422411	PACIFIC WOOD TREATING CORP	RIDGEFIELD	422
24	WAD009253246	ELF ATOCHEM 2901 TAYLOR WAY	TACOMA	393
25	WA9214053465	USARMY HQ I CORPS & FORT LEWIS	FT LEWIS	349
26	WAD988482592	BOEING FREDERICKSON	PUYALLUP	338
27	WAD009276197	TEXACO REFINING & MARKETING	ANACORTES	329
28	WAD009067281	KAISER ALUMINUM TRENTWOOD	SPOKANE	320
29	WAR000011536	BROADWAY SHELL	EVERETT	315
30	WAD980982383	AVX VANCOUVER CORP	VANCOUVER	275
31	WAD061670766	BOEING S&CS SPACE CENTER	KENT	258
32	WAD980987432	ARCO PRODUCTS CO CHERRY POINT REFINERY	BLAINE	256
33	WAR000010397	TESSENDERLO KERLEY INC	KENNEWICK	249
34	WAD980738868	MATSUSHITA SEMICONDUCTOR CORP OF AMERICA	PUYALLUP	231
35	WAD042480210	SEATTLE PORT OF KENT SITE	KENT	213
36	WA1170023419	USN KEYPORT OUL	KEYPORT	209
37	WAD980982037	BOEING NORTH BOEING FIELD	SEATTLE	206
38	WA7890008967	US DEPT OF ENERGY	RICHLAND	190
39	WAD009275082	TESORO NORTHWEST CO	ANACORTES	171
40	WAD988478723	NORTHWEST ETCH TECHNOLOGY INC TACOMA	TACOMA	170
41	WAD988517934	KENWORTH TRUCK CO RENTON	RENTON	168
42	WAD980980270	BOEING S&CS ELECTRONIC MFG FACILITY	SEATTLE	154
43	WAD980978951	PACIFIC CIRCUITS INC	REDMOND	154
44	WAD988522603	TORAY COMPOSITES AMERICA	TACOMA	153
45	WAD038529137	SURFTECH FINISHES CO INC	KENT	151
46	WAD051247716	DAVIS WIRE CORP	KENT	135
47	WAD980978795	BLUE STREAK FINISHERS LTD PLANT 1	EVERETT	133
48	WAR000008979	BF GOODRICH AEROSPACE HANGERS 1 & 3	EVERETT	127
49	WAR000007492	PACIFIC CIRCUITS INC N	BURLINGTON	126
50	WAD000064642	JOHNSON MATTHEY ELECTRONICS INC	SPOKANE	116

TOTAL

94,365

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY SHIPPERS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

WASHINGTON

1997 WASTE RECEIPTS

15 NUMBER OF RCRA HAZARDOUS WASTE RECEIVERS: 13

16 QUANTITY OF RCRA HAZARDOUS WASTE RECEIVED: 36,760 TONS

17 FIFTY LARGEST RCRA HAZARDOUS WASTE RECEIVERS, 1997

RANK	EPA ID	SITE NAME	CITY	QUANTITY RECEIVED (TONS)
----	-----	-----	----	-----
1	WA7890008967	US DEPT OF ENERGY	RICHLAND	10,926
2	WAD027530526	BAY ZINC CO INC	MOXEE CITY	9,233
3	WAD991281767	BURLINGTON ENVIRONMENTAL INC KENT	KENT	7,029
4	WAD000812909	BURLINGTON ENVIRONMENTAL INC GEORGE	SEATTLE	5,491
5	WAD981769110	SOL PRO INC	TACOMA	2,186
6	WAD020257945	BURLINGTON ENVIRONMENTAL INC TACOMA	TACOMA	1,742
7	WAD009477175	CAMERON YAKIMA INC	YAKIMA	84
8	WAD067548966	VAN WATERS & ROGERS INC	KENT	48
9	WA9214053465	USARMY HQ I CORPS & FORT LEWIS	FT LEWIS	8
10	WAD092300250	BURLINGTON ENVIRONMENTAL WASHOUGAL	WASHOUGAL	7
11	WA1891406349	US DOE BPA ROSS COMPLEX	VANCOUVER	4
12	WA2170023418	USN PSNS BREMERTON	BREMERTON	3
13	WA1170023419	USN KEYPORT OUL	KEYPORT	0
TOTAL				36,760

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY FACILITIES THAT RECEIVED WASTE.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

WASHINGTON

1997 WASTE RECEIPTS, CONTINUED

**18 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY MANAGEMENT METHOD,
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997**

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
METALS RECOVERY (FOR REUSE)	M011-M019	9,239	28.0	2	28.6
SOLVENTS RECOVERY	M021-M029	884	2.7	3	42.9
OTHER RECOVERY	M031-M039	84	.3	1	14.3
FUEL BLENDING	M061	8,018	24.3	4	57.1
STABILIZATION	M111-M119	3,810	11.6	2	28.6
LANDFILL	M132	10,925	33.1	1	14.3
TOTAL		32,961	100.0	7	

**19 MANAGEMENT METHOD, BY QUANTITY OF RCRA HAZARDOUS WASTE MANAGED
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997**

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
LANDFILL	M132	10,925	33.1	1	14.3
METALS RECOVERY (FOR REUSE)	M011-M019	9,239	28.0	2	28.6
FUEL BLENDING	M061	8,018	24.3	4	57.1
STABILIZATION	M111-M119	3,810	11.6	2	28.6
SOLVENTS RECOVERY	M021-M029	884	2.7	3	42.9
OTHER RECOVERY	M031-M039	84	.3	1	14.3
TOTAL		32,961	100.0	7	

**20 MANAGEMENT METHOD AND QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY NUMBER OF FACILITIES,
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997**

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
FUEL BLENDING	M061	8,018	24.3	4	57.1
SOLVENTS RECOVERY	M021-M029	884	2.7	3	42.9
METALS RECOVERY (FOR REUSE)	M011-M019	9,239	28.0	2	28.6
STABILIZATION	M111-M119	3,810	11.6	2	28.6
LANDFILL	M132	10,925	33.1	1	14.3
OTHER RECOVERY	M031-M039	84	.3	1	14.3
TOTAL		32,961	100.0	7	

NOTE: FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.
COLUMNS MAY NOT SUM DUE TO ROUNDING.
COLUMNS MAY NOT SUM TO TOTAL BECAUSE FACILITIES MAY HAVE MULTIPLE HANDLING METHODS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

WASHINGTON

1997 IMPORTS AND EXPORTS

21 QUANTITY OF RCRA HAZARDOUS WASTE IMPORTED: 15,838 TONS

22 QUANTITY OF RCRA HAZARDOUS WASTE EXPORTED: 79,224 TONS

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

WEST VIRGINIA

1997 WASTE GENERATION

1 NUMBER OF RCRA LARGE QUANTITY GENERATORS (LQGS): 119

2 QUANTITY OF RCRA HAZARDOUS WASTE GENERATED: 152,843 TONS

3 FIFTY LARGEST RCRA HAZARDOUS WASTE GENERATORS IN THE STATE, 1997

RANK	EPA ID	SITE NAME	CITY	TOTAL GENERATED (TONS)
----	-----	-----	----	-----
1	WVD116025180	CNG TRANSMISSION CORP. - HASTINGS	PINE GROVE	57,373
2	WVD004325353	OSI SPECIALTIES, INC.	FRIENDLY	20,262
3	WVD000068908	WEIRTON STEEL CORPORATION	WEIRTON	17,844
4	WVD005005509	RHONE-POULENC INSTITUTE PLANT	INSTITUTE	7,541
5	WVD045875291	DUPONT WASHINGTON WORKS	WASHINGTON	7,370
6	WVD004341491	CYTEC INDUSTRIES, WILLOW ISLAND PLANT	WILLOW ISLAND	7,165
7	WVD056866312	BAYER CORPORATION	NEW MARTINSVILLE	6,927
8	WVD009233297	CENTURY ALUMINUM OF WV, INC.	RAVENSWOOD	6,561
9	WVD005005483	UNION CARBIDE CORPORATION-SO. CHARLESTON	SOUTH CHARLESTON	5,634
10	WVD072667801	STEEL OF WV	HUNTINGTON	2,248
11	WV0000352583	UCC - SO. CHAS. (ARCO CHEM FAC.)	SOUTH CHARLESTON	1,610
12	WVD000650903	HEINZ PET PRODUCTS	WEIRTON	1,031
13	WVD005012851	ICI ACRYLICS - BELLE PLANT	BELLE	959
14	WVD030143960	FIKE CHEMICAL - SUPERFUND SITE	NITRO	820
15	WVD088911854	GENERAL ELECTRIC COMPANY - WASHINGTON	WASHINGTON	767
16	WVD057634776	QUAKER STATE CORPORATION CONGO REFINERY	NEWELL	530
17	WVD988776852	BOMBARDIER SERVICES CORP./WV AIR CENTER	BRIDGEPORT	493
18	WVD056795842	BF GOODRICH	UNION	489
19	WVD981738909	AMERICAN WOODMARK CORP.	MOOREFIELD	488
20	WVD004336343	PPG INDUSTRIES, INCORPORATED	NEW MARTINSVILLE	478
21	WVD004336749	KOPPERS INDUSTRIES, INC.	FOLLANSBEE	450
22	WVD039990965	FLEXSYS AMERICA L.P. - NITRO PLANT	NITRO	368
23	WVD061769592	CROWN CORK & SEAL CO., INC. - PLANT #78	WEIRTON	363
24	WVD009708702	AKZO NOBEL CHEMICALS, INC.	GALLIPOLIS FERRY	303
25	WVD980552384	GE SPECIALTY CHEMICALS - NORTH PLANT	MORGANTOWN	242
26	WVP000006781	SUTTLES TRUCK LEASING, INC.	NITRO	238
27	WVR000001719	CHEMICAL LEAMAN TANK LINES, INC.	INSTITUTE	231
28	WVD041517830	US CAN COMPANY	WEIRTON	214
29	WVD000797720	WHEELING-PITTSBURGH STEEL - BEECH BOTTOM	BEECH BOTTOM	205
30	WVR000010058	ERGON-WEST VIRGINIA, INC.	NEWELL	188
31	WVD000068601	BASF CORPORATION - HUNTINGTON SITE	HUNTINGTON	183
32	WVD060682291	UCC - TECH CENTER	SOUTH CHARLESTON	181
33	WVD988768198	BALL METAL FOOD CONTAINER CORP.	WEIRTON	178
34	WVD052574753	COYNE TEXTILE SERVICES	HUNTINGTON	170
35	WVD005004866	ACF INDUSTRIES INC.	HUNTINGTON	155
36	WVD005010277	OCCIDENTAL CHEMICAL CORP. - BELLE PLANT	BELLE	154
37	WVD004319539	WHEELING - PITTSBURGH STEEL	FOLLANSBEE	146
38	WVD003095536	IMATION ENTERPRISES CORPORATION	KEARNEYSVILLE	132
39	WVR000008003	ROLL COATER, INC.	WEIRTON	125
40	WVO170023691	ALLIANT TECHSYSTEMS INC. / ABL	ROCKET CENTER	123
41	WVD981107600	REGENERATION TECHNOLOGIES, INC.	MORGANTOWN	102
42	WVD982701732	SWANSON PLATING COMPANY	MORGANTOWN	92
43	WVD005005087	FMC CORPORATION - NITRO	NITRO	91
44	WVD004335964	EAGLE CONVEX GLASS SPECIALTY CO.	CLARKSBURG	88
45	WVD981730757	AC&S, INC.	NITRO	87
46	WVD016116428	DANA TRANSPORT, INC.	NITRO	83
47	WVD981109515	FRISKIES PETCARE	WEIRTON	74
48	WVD065632424	STERLING PLUMBING GROUP, INC.	MORGANTOWN	72
49	WVD045879087	SHEIDOW BRONZE CORPORATION	KINGWOOD	71
50	WVD981945215	NEWCHEM, INC.	NEWELL	69
TOTAL				151,768

NOTE: STATE MAY HAVE FEWER THAN FIFTY GENERATORS.
GENERATORS WITH ZERO QUANTITY GENERATED ARE EXCLUDED.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

WEST VIRGINIA

1997 WASTE GENERATION, CONTINUED

4 QUANTITIES OF WASTE GENERATED IN 1997 THAT WERE

- REPORTED WITH ONLY CHARACTERISTIC WASTE CODES
- REPORTED WITH ONLY LISTED WASTE CODES
- REPORTED WITH BOTH CHARACTERISTIC AND LISTED WASTE CODES

WASTE HAS ONLY CHARACTERISTIC CODES	TONS OF WASTE GENERATED	WASTE HAS ONLY LISTED CODES	TONS OF WASTE GENERATED	WASTE HAS BOTH CHARACTERISTIC AND LISTED CODES	TONS OF WASTE GENERATED
ONLY IGNITABLE	8,775	ONLY AN F CODE	17,351		
ONLY CORROSIVE	125	ONLY A K CODE	13,527		
ONLY REACTIVE	46	ONLY A P CODE	8		
ONLY D004-17	1,859	ONLY A U CODE	1,352		
ONLY D018-43	657				
HAS MORE THAN ONE CHARACTERISTIC CODE	72,791	HAS MORE THAN ONE LISTED CODE	18,125		
TOTAL	84,254	TOTAL	50,363	BOTH CHARACTERISTIC & LISTED	18,226

5 QUANTITIES OF WASTE GENERATED IN 1997 THAT WERE MULTIPLY CODED

WASTE HAS ONLY CHARACTERISTIC CODES BUT MORE THAN ONE APPLIES	TONS OF WASTE GENERATED	ONLY LISTED CODES BUT HAS MORE THAN ONE	TONS OF WASTE GENERATED	BOTH CHAR, AND LISTED CODES	TONS OF WASTE GENERATED
HAS IGNITABLE CODE	14,394			IGN. W/ AT LEAST 1 LSTD	16,154
HAS CORROSIVE CODE	9,843			CORR. W/ AT LEAST 1 LSTD	569
HAS REACTIVE CODE	965			REACT. W/ AT LEAST 1 LSTD	829
HAS D004-D017 CODE	66,554			D004-17 W/ AT LEAST 1 LSTD	1,337
HAS D018-D043 CODE	69,364			D018-43 W/ AT LEAST 1 LSTD	11,000
		HAS AN F CODE	18,084	F WASTE W/ AT LEAST 1 CHAR	16,926
		HAS A K CODE	6,499	K WASTE W/ AT LEAST 1 CHAR	796
		HAS A P CODE	40	P WASTE W/ AT LEAST 1 CHAR	12
		HAS A U CODE	11,625	U WASTE W/ AT LEAST 1 CHAR	582
TOTAL	72,791	TOTAL	18,125	TOTAL	18,226

NOTE: COLUMNS DO NOT SUM TO TOTAL BECAUSE A WASTE CODE MAY APPLY TO MORE THAN ONE WASTE.
 MIXTURES WITH IGNITABLE, CORROSIVE, REACTIVE, D004-17, AND D018-43 CHARACTERISTIC CODES ALSO MAY
 CONTAIN OTHER CHARACTERISTIC WASTE CODES.
 SIMILARLY, WASTES WITH F,K,P, AND U LISTED CODES MAY HAVE OTHER LISTED WASTE CODES.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

WEST VIRGINIA

1997 WASTE MANAGEMENT

6 NUMBER OF RCRA TSD FACILITIES: 22

7 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED: 44,438 TONS

8 FIFTY LARGEST RCRA HAZARDOUS WASTE MANAGEMENT FACILITIES, 1997

RANK	EPA ID	SITE NAME	CITY	TONS OF WASTE MANAGED
----	-----	-----	----	-----
1	WVD004325353	OSI SPECIALTIES, INC.	FRIENDLY	15,978
2	WVD005005509	RHONE-POULENC INSTITUTE PLANT	INSTITUTE	7,213
3	WVD056866312	BAYER CORPORATION	NEW MARTINSVILLE	6,901
4	WVD045875291	DUPONT WASHINGTON WORKS	WASHINGTON	6,388
5	WVD004341491	CYTEC INDUSTRIES, WILLOW ISLAND PLANT	WILLOW ISLAND	5,234
6	WVD005005483	UNION CARBIDE CORPORATION-SO. CHARLESTON	SOUTH CHARLESTON	1,227
7	WVD076826015	INCO ALLOYS INTERNATIONAL, INC.	HUNTINGTON	913
8	WVD005012851	ICI ACRYLICS - BELLE PLANT	BELLE	581
9	WVD060682291	UCC - TECH CENTER	SOUTH CHARLESTON	3

TOTAL

44,438

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY FACILITIES THAT MANAGED WASTE.
FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

WEST VIRGINIA

1997 WASTE MANAGEMENT, CONTINUED

9 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY MANAGEMENT METHOD, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
SOLVENTS RECOVERY	M021-M029	3	.0	1	11.1
OTHER RECOVERY	M031-M039	7	.0	1	11.1
INCINERATION	M041-M049	18,834	42.4	4	44.4
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	15,915	35.8	4	44.4
SLUDGE TREATMENT	M101-M109	913	2.1	1	11.1
LANDFILL	M132	8,766	19.7	1	11.1
TOTAL		44,438	100.0	9	

10 MANAGEMENT METHOD, BY QUANTITY OF RCRA HAZARDOUS WASTE MANAGED, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
INCINERATION	M041-M049	18,834	42.4	4	44.4
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	15,915	35.8	4	44.4
LANDFILL	M132	8,766	19.7	1	11.1
SLUDGE TREATMENT	M101-M109	913	2.1	1	11.1
OTHER RECOVERY	M031-M039	7	.0	1	11.1
SOLVENTS RECOVERY	M021-M029	3	.0	1	11.1
TOTAL		44,438	100.0	9	

11 MANAGEMENT METHOD AND QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY NUMBER OF FACILITIES, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
INCINERATION	M041-M049	18,834	42.4	4	44.4
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	15,915	35.8	4	44.4
LANDFILL	M132	8,766	19.7	1	11.1
SOLVENTS RECOVERY	M021-M029	3	.0	1	11.1
OTHER RECOVERY	M031-M039	7	.0	1	11.1
SLUDGE TREATMENT	M101-M109	913	2.1	1	11.1
TOTAL		44,438	100.0	9	

NOTE: FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.
COLUMNS MAY NOT SUM DUE TO ROUNDING.
COLUMNS MAY NOT SUM TO TOTAL BECAUSE FACILITIES MAY HAVE MULTIPLE HANDLING METHODS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

WEST VIRGINIA

1997 WASTE SHIPMENTS

12 NUMBER OF RCRA HAZARDOUS WASTE SHIPPERS: 115

13 QUANTITY OF RCRA HAZARDOUS WASTE SHIPPED: 113,150 TONS

14 FIFTY LARGEST RCRA HAZARDOUS WASTE SHIPPERS, 1997

RANK	EPA ID	SITE NAME	CITY	QUANTITY SHIPPED (TONS)
----	-----	-----	----	-----
1	WVD116025180	CNG TRANSMISSION CORP. - HASTINGS	PINE GROVE	57,373
2	WVD000068908	WEIRTON STEEL CORPORATION	WEIRTON	17,844
3	WVD009233297	CENTURY ALUMINUM OF WV, INC.	RAVENSWOOD	6,562
4	WVD005005483	UNION CARBIDE CORPORATION-SO. CHARLESTON	SOUTH CHARLESTON	4,362
5	WVD004325353	OSI SPECIALTIES, INC.	FRIENDLY	4,211
6	WVD056866312	BAYER CORPORATION	NEW MARTINSVILLE	2,669
7	WVD072667801	STEEL OF WV	HUNTINGTON	2,248
8	WVD004341491	CYTEC INDUSTRIES, WILLOW ISLAND PLANT	WILLOW ISLAND	1,931
9	WV0000352583	UCC - SO. CHAS. (ARCO CHEM FAC.)	SOUTH CHARLESTON	1,610
10	WVD981034101	SAFETY-KLEEN CORP	WHEELING	1,270
11	WVD000650903	HEINZ PET PRODUCTS	WEIRTON	1,039
12	WVD045875291	DUPONT WASHINGTON WORKS	WASHINGTON	973
13	WVD030143960	FIKE CHEMICAL - SUPERFUND SITE	NITRO	820
14	WVD088911854	GENERAL ELECTRIC COMPANY - WASHINGTON	WASHINGTON	757
15	WVD057634776	QUAKER STATE CORPORATION CONGO REFINERY	NEWELL	530
16	WVD988776852	BOMBARDIER SERVICES CORP./WV AIR CENTER	BRIDGEPORT	493
17	WVD056795842	BF GOODRICH	UNION	489
18	WVD981738909	AMERICAN WOODMARK CORP.	MOOREFIELD	488
19	WVD004336749	KOPPERS INDUSTRIES, INC.	FOLLANSBEE	450
20	WVD004336343	PPG INDUSTRIES, INCORPORATED	NEW MARTINSVILLE	404
21	WVD005012851	ICI ACRYLICS - BELLE PLANT	BELLE	377
22	WVD039990965	FLEXSYS AMERICA L.P. - NITRO PLANT	NITRO	368
23	WVD061769592	CROWN CORK & SEAL CO., INC. - PLANT #78	WEIRTON	363
24	WVD005005509	RHONE-POULENC INSTITUTE PLANT	INSTITUTE	327
25	WVD980552384	GE SPECIALTY CHEMICALS - NORTH PLANT	MORGANTOWN	290
26	WVP000006781	SUTTLES TRUCK LEASING, INC.	NITRO	238
27	WVR000001719	CHEMICAL LEAMAN TANK LINES, INC.	INSTITUTE	231
28	WVD009708702	AKZO NOBEL CHEMICALS, INC.	GALLIPOLIS FERRY	221
29	WVD003095536	IMATION ENTERPRISES CORPORATION	KEARNEYSVILLE	215
30	WVD041517830	US CAN COMPANY	WEIRTON	214
31	WVD000797720	WHEELING-PITTSBURGH STEEL - BEECH BOTTOM	BEECH BOTTOM	205
32	WVR000010058	ERGON-WEST VIRGINIA, INC.	NEWELL	188
33	WVD000068601	BASF CORPORATION - HUNTINGTON SITE	HUNTINGTON	183
34	WVD988768198	BALL METAL FOOD CONTAINER CORP.	WEIRTON	178
35	WVD060682291	UCC - TECH CENTER	SOUTH CHARLESTON	175
36	WVD052574753	COYNE TEXTILE SERVICES	HUNTINGTON	170
37	WVD005004866	ACF INDUSTRIES INC.	HUNTINGTON	155
38	WVD005010277	OCCIDENTAL CHEMICAL CORP. - BELLE PLANT	BELLE	154
39	WVD004319539	WHEELING - PITTSBURGH STEEL	FOLLANSBEE	146
40	WVR0000001446	SAFETY-KLEEN CORP	POCA	146
41	WV0170023691	ALLIANT TECHSYSTEMS INC. / ABL	ROCKET CENTER	128
42	WVR000008003	ROLL COATER, INC.	WEIRTON	123
43	WVD981107600	REGENERATION TECHNOLOGIES, INC.	MORGANTOWN	102
44	WVD004335964	EAGLE CONVEX GLASS SPECIALTY CO.	CLARKSBURG	88
45	WVD981730757	AC&S, INC.	NITRO	87
46	WVD005005087	FMC CORPORATION - NITRO	NITRO	86
47	WVD016116428	DANA TRANSPORT, INC.	NITRO	83
48	WVD982701732	SWANSON PLATING COMPANY	MORGANTOWN	81
49	WVD981109515	FRISKIES PETCARE	WEIRTON	74
50	WVD065632424	STERLING PLUMBING GROUP, INC.	MORGANTOWN	72

TOTAL

111,991

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY SHIPPERS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

WEST VIRGINIA

1997 WASTE RECEIPTS

15 NUMBER OF RCRA HAZARDOUS WASTE RECEIVERS: 4

16 QUANTITY OF RCRA HAZARDOUS WASTE RECEIVED: 3,616 TONS

17 FIFTY LARGEST RCRA HAZARDOUS WASTE RECEIVERS, 1997

RANK	EPA ID	SITE NAME	CITY	QUANTITY RECEIVED (TONS)
----	-----	-----	----	-----
1	WVD056866312	BAYER CORPORATION	NEW MARTINSVILLE	2,634
2	WVD076826015	INCO ALLOYS INTERNATIONAL, INC.	HUNTINGTON	913
3	WVD980552384	GE SPECIALTY CHEMICALS - NORTH PLANT	MORGANTOWN	66
4	WVD060682291	UCC - TECH CENTER	SOUTH CHARLESTON	4
TOTAL				3,616

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY FACILITIES THAT RECEIVED WASTE.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

WEST VIRGINIA

1997 WASTE RECEIPTS, CONTINUED

18 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY MANAGEMENT METHOD,
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	2,634	74.3	1	50.0
SLUDGE TREATMENT	M101-M109	913	25.7	1	50.0
TOTAL		3,546	100.0	2	

19 MANAGEMENT METHOD, BY QUANTITY OF RCRA HAZARDOUS WASTE MANAGED
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	2,634	74.3	1	50.0
SLUDGE TREATMENT	M101-M109	913	25.7	1	50.0
TOTAL		3,546	100.0	2	

20 MANAGEMENT METHOD AND QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY NUMBER OF FACILITIES,
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	2,634	74.3	1	50.0
SLUDGE TREATMENT	M101-M109	913	25.7	1	50.0
TOTAL		3,546	100.0	2	

NOTE: FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.
COLUMNS MAY NOT SUM DUE TO ROUNDING.
COLUMNS MAY NOT SUM TO TOTAL BECAUSE FACILITIES MAY HAVE MULTIPLE HANDLING METHODS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

WEST VIRGINIA

1997 IMPORTS AND EXPORTS

21 QUANTITY OF RCRA HAZARDOUS WASTE IMPORTED: 3,546 TONS

22 QUANTITY OF RCRA HAZARDOUS WASTE EXPORTED: 112,984 TONS

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

WISCONSIN

1997 WASTE GENERATION

1 NUMBER OF RCRA LARGE QUANTITY GENERATORS (LQGS): 400

2 QUANTITY OF RCRA HAZARDOUS WASTE GENERATED: 147,959 TONS

3 FIFTY LARGEST RCRA HAZARDOUS WASTE GENERATORS IN THE STATE, 1997

RANK	EPA ID	SITE NAME	CITY	TOTAL GENERATED (TONS)
1	WID054105218	MASTER LOCK COMPANY	MILWAUKEE	68,652
2	WID000808824	HYDRITE CHEMICAL CO.	COTTAGE GROVE	9,620
3	WID076151364	SCIENTIFIC PROTIEN LABS INC	WAUNAKEE	7,883
4	WID990829475	WRR ENVIRONMENTAL SERVICES CO., INC	WASHINGTON	5,883
5	WID028877074	CHARTER STEEL	SAUKVILLE	5,005
6	WID980898266	SPECIALTYCHEM PRODUCTS CORPORATION	MARINETTE	4,687
7	WID059972935	PPG INDUSTRIES INC	OAK CREEK	4,169
8	WID059980045	GM- NAO JANESVILLE- TRUCK PLATFORM	JANESVILLE	3,010
9	WID023350192	MILSOLV CORP	MENOMONEE FALLS	2,413
10	WID046536231	VULCAN MATERIALS CO CHEMICALS DIV	PORT EDWARDS	1,814
11	WIT560010746	PROFESSIONAL PLATING	BRILLION	1,787
12	WID980615439	COOK COMPOSITES AND POLYMERS CO.	SAUKVILLE	1,680
13	WID001781186	INDUSTRIAL TOWEL & UNIFORM INC	NEW BERLIN	1,486
14	WID000809038	WAYNE PIGMENT CORP	MILWAUKEE	1,430
15	WID988575452	RUST - OLEUM CORP	PLEASANT PRAIRIE	1,357
16	WIT560011595	BEMIS SPECIALTY FILMS, (CURWOOD, INC.)	OSHKOSH	1,204
17	WID006144737	CURWOOD, INC	NEW LONDON	1,025
18	WIR000028258	MARINA CLIFFS/NORTHWESTERN BARREL SITE	SOUTH MILWAUKEE	996
19	WID060446499	AMERICAN PACKAGING CORPORATION	COLUMBUS	952
20	WID000713461	ALDRICH CHEMICAL COMPANY	SHEBOYGAN FALLS	944
21	WID006073225	KOHLER CO	KOHLER	907
22	WIT560010795	ELECTROTEK CORP	OAK CREEK	891
23	WID000711077	PHO-TRONICS INC	MILWAUKEE	884
24	WID004939831	BALL-FOSTER GLASS CONTAINER CO., L.L.C.	BURLINGTON	777
25	WID982071458	ASHLEY FURNITURE INDUSTRIES	WHITEHALL	631
26	WID023394158	HENTZEN COATING INC	MILWAUKEE	499
27	WID000808147	ALDRICH CHEMICAL COMPANY	MILWAUKEE	474
28	WID006105936	MAUTZ PAINT CO	MADISON	462
29	WID006103766	SHEBOYGAN PAINT CO.	SHEBOYGAN	427
30	WID006107122	S K WILLIAMS CO	WAUWATOSA	421
31	WID073854044	J & L FIBER SERVICES INC	WAUKESHA	392
32	WID006113906	ALDRICH CHEMICAL COMPANY	MILWAUKEE	385
33	WID980584114	AMERICA'S BEST QUALITY COATINGS CORP	MILWAUKEE	314
34	WID980570055	TRENT TUBE PLT 2 & 3	EAST TROY	293
35	WID011553310	DAYCO EASTMAN	MANITOWOC	276
36	WID063500748	MILSCO MFG. CO.-REDGRANITE	REDGRANITE	264
37	WIT560010373	BRADY USA, INC., FLORIST AVE. PLANT	GLENDALE	226
38	WID980826176	APOGEE WAUSAU GROUP INC., LINETEC DIVIS	WAUSAU	219
39	WID001780139	HARLEY DAVIDSON MOTOR COMPANY	TOMAHAWK	212
40	WID048027734	BRILLION IRON WORKS INC	BRILLION	212
41	WID006119978	AMERICAN NATIONAL CAN COMPANY	MENASHA	212
42	WID981527013	RAABE CORP	MENOMONEE FALLS	193
43	WID006120141	GASCOIGNE CO	WAUKESHA	190
44	WID006424857	CHILTON PLATING CO., INC.	CHILTON	187
45	WID982204968	MILWAUKEE VALVE CO	PRAIRIE DU SAC	186
46	WID000713115	KOHLER CO - TOWN OF MOSEL PLANT	MOSEL	181
47	WID091781625	BANNER PACKAGING	OSHKOSH	179
48	WID006119986	AMERICAN NATIONAL CAN COMPANY	NEENAH	178
49	WID006126999	PIERCE MANUFACTURING	APPLETON	173
50	WID006085401	LADISH CO., INC.	CUDAHY	171

TOTAL

137,013

NOTE: STATE MAY HAVE FEWER THAN FIFTY GENERATORS.
GENERATORS WITH ZERO QUANTITY GENERATED ARE EXCLUDED.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

WISCONSIN

1997 WASTE GENERATION, CONTINUED

4 QUANTITIES OF WASTE GENERATED IN 1997 THAT WERE

- REPORTED WITH ONLY CHARACTERISTIC WASTE CODES
- REPORTED WITH ONLY LISTED WASTE CODES
- REPORTED WITH BOTH CHARACTERISTIC AND LISTED WASTE CODES

WASTE HAS ONLY CHARACTERISTIC CODES	TONS OF WASTE GENERATED	WASTE HAS ONLY LISTED CODES	TONS OF WASTE GENERATED	WASTE HAS BOTH CHARACTERISTIC AND LISTED CODES	TONS OF WASTE GENERATED
ONLY IGNITABLE	22,192	ONLY AN F CODE	45,150		
ONLY CORROSIVE	19,554	ONLY A K CODE	7,232		
ONLY REACTIVE	40	ONLY A P CODE	47		
ONLY D004-17	52,416	ONLY A U CODE	490		
ONLY D018-43	790				
HAS MORE THAN ONE CHARACTERISTIC CODE	0	HAS MORE THAN ONE LISTED CODE	0		
TOTAL	94,992	TOTAL	52,919	BOTH CHARACTERISTIC & LISTED	0

5 QUANTITIES OF WASTE GENERATED IN 1997 THAT WERE MULTIPLY CODED

WASTE HAS ONLY CHARACTERISTIC CODES BUT MORE THAN ONE APPLIES	TONS OF WASTE GENERATED	ONLY LISTED CODES BUT HAS MORE THAN ONE	TONS OF WASTE GENERATED	BOTH CHAR, AND LISTED CODES	TONS OF WASTE GENERATED
HAS IGNITABLE CODE	0			IGN. W/ AT LEAST 1 LSTD	0
HAS CORROSIVE CODE	0			CORR. W/ AT LEAST 1 LSTD	0
HAS REACTIVE CODE	0			REACT. W/ AT LEAST 1 LSTD	0
HAS D004-D017 CODE	0			D004-17 W/ AT LEAST 1 LSTD	0
HAS D018-D043 CODE	0			D018-43 W/ AT LEAST 1 LSTD	0
		HAS AN F CODE	0	F WASTE W/ AT LEAST 1 CHAR	0
		HAS A K CODE	0	K WASTE W/ AT LEAST 1 CHAR	0
		HAS A P CODE	0	P WASTE W/ AT LEAST 1 CHAR	0
		HAS A U CODE	0	U WASTE W/ AT LEAST 1 CHAR	0
TOTAL	0	TOTAL	0	TOTAL	0

NOTE: COLUMNS DO NOT SUM TO TOTAL BECAUSE A WASTE CODE MAY APPLY TO MORE THAN ONE WASTE.
 MIXTURES WITH IGNITABLE, CORROSIVE, REACTIVE, D004-17, AND D018-43 CHARACTERISTIC CODES ALSO MAY
 CONTAIN OTHER CHARACTERISTIC WASTE CODES.
 SIMILARLY, WASTES WITH F,K,P, AND U LISTED CODES MAY HAVE OTHER LISTED WASTE CODES.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

WISCONSIN

1997 WASTE MANAGEMENT

6 NUMBER OF RCRA TSD FACILITIES: 132

7 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED: 30,934 TONS

8 FIFTY LARGEST RCRA HAZARDOUS WASTE MANAGEMENT FACILITIES, 1997

RANK	EPA ID	SITE NAME	CITY	TONS OF WASTE MANAGED
----	-----	-----	----	-----
1	WID000808824	HYDRITE CHEMICAL CO.	COTTAGE GROVE	23,840
2	WID990829475	WRR ENVIRONMENTAL SERVICES CO., INC	WASHINGTON	5,319
3	WID060446499	AMERICAN PACKAGING CORPORATION	COLUMBUS	806
4	WID981092265	HYDRITE CHEMICAL COMPANY	MILWAUKEE	782
5	WID980615439	COOK COMPOSITES AND POLYMERS CO.	SAUKVILLE	121
6	WI0000117853	LAMP RECYCLERS INC	GREEN BAY	31
7	WID023548837	DICO INC	SLINGER	21
8	WID046536231	VULCAN MATERIALS CO CHEMICALS DIV	PORT EDWARDS	10
9	WI0000934174	AURA-II INC	MILWAUKEE	3
10	WID023350192	MILSOLV CORP	MENOMONEE FALLS	1
TOTAL				30,934

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY FACILITIES THAT MANAGED WASTE.
FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

WISCONSIN

1997 WASTE MANAGEMENT, CONTINUED

9 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY MANAGEMENT METHOD, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
METALS RECOVERY (FOR REUSE)	M011-M019	13	.0	2	20.0
SOLVENTS RECOVERY	M021-M029	11,715	37.9	6	60.0
OTHER RECOVERY	M031-M039	31	.1	1	10.0
INCINERATION	M041-M049	455	1.5	4	40.0
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	90	.3	4	40.0
FUEL BLENDING	M061	18,630	60.2	3	30.0
TOTAL		30,934	100.0	10	

10 MANAGEMENT METHOD, BY QUANTITY OF RCRA HAZARDOUS WASTE MANAGED, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
FUEL BLENDING	M061	18,630	60.2	3	30.0
SOLVENTS RECOVERY	M021-M029	11,715	37.9	6	60.0
INCINERATION	M041-M049	455	1.5	4	40.0
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	90	.3	4	40.0
OTHER RECOVERY	M031-M039	31	.1	1	10.0
METALS RECOVERY (FOR REUSE)	M011-M019	13	.0	2	20.0
TOTAL		30,934	100.0	10	

11 MANAGEMENT METHOD AND QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY NUMBER OF FACILITIES, 1997

MANAGEMENT METHOD	SYSTEM TYPE CODE	QUANTITY MANAGED (TONS)	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES	PERCENTAGE OF FACILITIES
SOLVENTS RECOVERY	M021-M029	11,715	37.9	6	60.0
INCINERATION	M041-M049	455	1.5	4	40.0
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	90	.3	4	40.0
FUEL BLENDING	M061	18,630	60.2	3	30.0
METALS RECOVERY (FOR REUSE)	M011-M019	13	.0	2	20.0
OTHER RECOVERY	M031-M039	31	.1	1	10.0
TOTAL		30,934	100.0	10	

NOTE: FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.
COLUMNS MAY NOT SUM DUE TO ROUNDING.
COLUMNS MAY NOT SUM TO TOTAL BECAUSE FACILITIES MAY HAVE MULTIPLE HANDLING METHODS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

WISCONSIN

1997 WASTE SHIPMENTS

12 NUMBER OF RCRA HAZARDOUS WASTE SHIPPERS: 369

13 QUANTITY OF RCRA HAZARDOUS WASTE SHIPPED: 73,429 TONS

14 FIFTY LARGEST RCRA HAZARDOUS WASTE SHIPPERS, 1997

RANK	EPA ID	SITE NAME	CITY	QUANTITY SHIPPED (TONS)
----	-----	-----	----	-----
1	WID000808824	HYDRITE CHEMICAL CO.	COTTAGE GROVE	14,180
2	WID990829475	WRR ENVIRONMENTAL SERVICES CO., INC	WASHINGTON	10,405
3	WID028877074	CHARTER STEEL	SAUKVILLE	5,004
4	WID059972935	PPG INDUSTRIES INC	OAK CREEK	4,210
5	WID023350192	MILSOLV CORP	MENOMONEE FALLS	4,055
6	WID059980045	GM- NAO JANESVILLE- TRUCK PLATFORM	JANESVILLE	3,015
7	WID000711077	PHO-TRONICS INC	MILWAUKEE	2,680
8	WID980898266	SPECIALTYCHEM PRODUCTS CORPORATION	MARINETTE	1,903
9	WID001781186	INDUSTRIAL TOWEL & UNIFORM INC	NEW BERLIN	1,448
10	WID988575452	RUST - OLEUM CORP	PLEASANT PRAIRIE	1,357
11	WID006144737	CURWOOD, INC	NEW LONDON	1,010
12	WIR000028258	MARINA CLIFFS/NORTHWESTERN BARREL SITE	SOUTH MILWAUKEE	996
13	WID000713461	ALDRICH CHEMICAL COMPANY	SHEBOYGAN FALLS	945
14	WID006073225	KOHLER CO	KOHLER	899
15	WID981187297	SAFETY-KLEEN KAUKAUNA	KAUKAUNA	874
16	WID004939831	BALL-FOSTER GLASS CONTAINER CO., L.L.C.	BURLINGTON	777
17	WID000809038	WAYNE PIGMENT CORP	MILWAUKEE	718
18	WID982071458	ASHLEY FURNITURE INDUSTRIES	WHITEHALL	631
19	WID006105936	MAUTZ PAINT CO	MADISON	505
20	WID023394158	HENTZEN COATING INC	MILWAUKEE	499
21	WID000808147	ALDRICH CHEMICAL COMPANY	MILWAUKEE	475
22	WID003967148	AETS-CONTROLLED WASTE DIV.-HHW FACILITY	MENOMONEE FALLS	462
23	WIT560011595	BEMIS SPECIALTY FILMS, (CURWOOD, INC.)	OSHKOSH	461
24	WID006103766	SHEBOYGAN PAINT CO.	SHEBOYGAN	427
25	WID006107122	S K WILLIAMS CO	WAUWATOSA	420
26	WID006113906	ALDRICH CHEMICAL COMPANY	MILWAUKEE	399
27	WID073854044	J & L FIBER SERVICES INC	WAUKESHA	397
28	WID980896641	SAFETY-KLEEN CORP-LA CROSSE	LA CROSSE	333
29	WID980584114	AMERICA'S BEST QUALITY COATINGS CORP	MILWAUKEE	313
30	WID980570055	TRENT TUBE PLT 2 & 3	EAST TROY	293
31	WID980826176	APOGEE WAUSAU GROUP INC., LINETEC DIVIS	WAUSAU	219
32	WIT560010373	BRADY USA, INC., FLORIST AVE. PLANT	GLENDALE	217
33	WID001780139	HARLEY DAVIDSON MOTOR COMPANY	TOMAHAWK	212
34	WID048027734	BRILLION IRON WORKS INC	BRILLION	212
35	WID006119978	AMERICAN NATIONAL CAN COMPANY	MENASHA	212
36	WID980615439	COOK COMPOSITES AND POLYMERS CO.	SAUKVILLE	207
37	WID981527013	RAABE CORP	MENOMONEE FALLS	193
38	WID006120141	GASCOIGNE CO	WAUKESHA	191
39	WID006424857	CHILTON PLATING CO., INC.	CHILTON	187
40	WID982204968	MILWAUKEE VALVE CO	PRAIRIE DU SAC	186
41	WID000713115	KOHLER CO - TOWN OF MOSEL PLANT	MOSEL	181
42	WID006126999	PIERCE MANUFACTURING	APPLETON	173
43	WID006085401	LADISH CO., INC.	CUDAHY	171
44	WID006090294	SNAP-ON TOOLS COMPANY	KENOSHA	167
45	WIT560010746	PROFESSIONAL PLATING	BRILLION	166
46	WID006070338	WISCONSIN CENTRIFUGAL	WAUKESHA	165
47	WID006101695	OUTOKUMPU COPPER KENOSHA INC.	KENOSHA	158
48	WID066866898	GENERAL FIBERGLASS SUPPLY INC	PEWAUKEE	157
49	WID980901391	THERMAL CLEAN INC	CHILTON	154
50	WID000808568	WASTE MANAGEMENT OF WI, OMEGA HILLS LAN	GERMANTOWN	150

TOTAL

63,767

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY SHIPPERS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

WISCONSIN

1997 WASTE RECEIPTS

15 NUMBER OF RCRA HAZARDOUS WASTE RECEIVERS: 11

16 QUANTITY OF RCRA HAZARDOUS WASTE RECEIVED: 29,644 TONS

17 FIFTY LARGEST RCRA HAZARDOUS WASTE RECEIVERS, 1997

RANK	EPA ID	SITE NAME	CITY	QUANTITY RECEIVED (TONS)
----	-----	-----	----	-----
1	WID000808824	HYDRITE CHEMICAL CO.	COTTAGE GROVE	16,298
2	WID990829475	WRR ENVIRONMENTAL SERVICES CO., INC	WASHINGTON	7,632
3	WID084106137	HYDRITE CHEMICAL CO	LA CROSSE	3,513
4	WID981092265	HYDRITE CHEMICAL COMPANY	MILWAUKEE	782
5	WID981187297	SAFETY-KLEEN KAUKAUNA	KAUKAUNA	688
6	WID006113906	ALDRICH CHEMICAL COMPANY	MILWAUKEE	400
7	WID040784936	VAN WATERS AND ROGERS INC	MILWAUKEE	134
8	WID980615439	COOK COMPOSITES AND POLYMERS CO.	SAUKVILLE	121
9	WI0000117853	LAMP RECYCLERS INC	GREEN BAY	31
10	WID000809012	U W MADISON SAFETY DEPT MILL ST STORAGE	MADISON	31
11	WIR000028704	MERCURY WASTE SOLUTIONS INC	KENOSHA	14

TOTAL				29,644
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NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY FACILITIES THAT RECEIVED WASTE.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT: BASED ON 1997 DATA

WISCONSIN

1997 WASTE RECEIPTS, CONTINUED

**18 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY MANAGEMENT METHOD,
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997**

MANAGEMENT METHOD -----	SYSTEM TYPE CODE -----	QUANTITY MANAGED (TONS) -----	PERCENTAGE OF QUANTITY -----	NUMBER OF FACILITIES -----	PERCENTAGE OF FACILITIES -----
SOLVENTS RECOVERY	M021-M029	10,887	48.3	3	60.0
OTHER RECOVERY	M031-M039	31	.1	1	20.0
INCINERATION	M041-M049	455	2.0	4	80.0
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	90	.4	3	60.0
FUEL BLENDING	M061	11,088	49.2	3	60.0
TOTAL		22,552	100.0	5	

**19 MANAGEMENT METHOD, BY QUANTITY OF RCRA HAZARDOUS WASTE MANAGED
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997**

MANAGEMENT METHOD -----	SYSTEM TYPE CODE -----	QUANTITY MANAGED (TONS) -----	PERCENTAGE OF QUANTITY -----	NUMBER OF FACILITIES -----	PERCENTAGE OF FACILITIES -----
FUEL BLENDING	M061	11,088	49.2	3	60.0
SOLVENTS RECOVERY	M021-M029	10,887	48.3	3	60.0
INCINERATION	M041-M049	455	2.0	4	80.0
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	90	.4	3	60.0
OTHER RECOVERY	M031-M039	31	.1	1	20.0
TOTAL		22,552	100.0	5	

**20 MANAGEMENT METHOD AND QUANTITY OF RCRA HAZARDOUS WASTE MANAGED BY NUMBER OF FACILITIES,
LIMITED TO WASTE RECEIVED FROM OFFSITE, 1997**

MANAGEMENT METHOD -----	SYSTEM TYPE CODE -----	QUANTITY MANAGED (TONS) -----	PERCENTAGE OF QUANTITY -----	NUMBER OF FACILITIES -----	PERCENTAGE OF FACILITIES -----
INCINERATION	M041-M049	455	2.0	4	80.0
FUEL BLENDING	M061	11,088	49.2	3	60.0
SOLVENTS RECOVERY	M021-M029	10,887	48.3	3	60.0
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	90	.4	3	60.0
OTHER RECOVERY	M031-M039	31	.1	1	20.0
TOTAL		22,552	100.0	5	

NOTE: FACILITIES REPORTING STORAGE ONLY AND THEIR QUANTITY MANAGED ARE EXCLUDED.
COLUMNS MAY NOT SUM DUE TO ROUNDING.
COLUMNS MAY NOT SUM TO TOTAL BECAUSE FACILITIES MAY HAVE MULTIPLE HANDLING METHODS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

WISCONSIN

1997 IMPORTS AND EXPORTS

21	QUANTITY OF RCRA HAZARDOUS WASTE IMPORTED:	20,809 TONS
22	QUANTITY OF RCRA HAZARDOUS WASTE EXPORTED:	60,871 TONS

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

WYOMING

1997 WASTE GENERATION

- 1 NUMBER OF RCRA LARGE QUANTITY GENERATORS (LQGS): 15
- 2 QUANTITY OF RCRA HAZARDOUS WASTE GENERATED: 1,478 TONS

3 FIFTY LARGEST RCRA HAZARDOUS WASTE GENERATORS IN THE STATE, 1997

RANK	EPA ID	SITE NAME	CITY	TOTAL GENERATED (TONS)
----	-----	-----	----	-----
1	WYD051843613	FRONTIER REFINING INC.	CHEYENNE	818
2	WYR000001495	KFX FUEL PARTNERS, L.P.	GILLETTE	488
3	WYD048743009	LITTLE AMERICA REFINING COMPANY	CASPER	38
4	WYD043705102	NEWCASTLE REFINERY COMPANY	NEWCASTLE	35
5	WYD079959185	SINCLAIR OIL CORPORATION	SINCLAIR	26
6	WYD088677943	TEXACO REFINING & MARKETING INC	EVANSVILLE	24
7	WYD000712687	NALCO/EXXON ENERGY CHEMICALS	EVANSVILLE	17
8	WY5571924179	FRANCIS E WARREN AFB	CHEYENNE	11
9	WYR000000620	CONOCO PIPELINE BANNER MP117	BANNER	8
10	WYD007089196	COASTAL CHEM INC	CHEYENNE	5
11	WYD988869269	SILVER EAGLE REFINING	EVANSTON	5
12	WYD061112470	UNION PACIFIC RAILROAD	LARAMIE	3
13	WYD981541790	TG SODA ASH INC	GRANGER	2
14	WYD007064447	AMOCO OIL COMPANY FORMER CASPER REFINERY	CASPER	0
TOTAL				1,478

NOTE: STATE MAY HAVE FEWER THAN FIFTY GENERATORS.
GENERATORS WITH ZERO QUANTITY GENERATED ARE EXCLUDED.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

WYOMING

1997 WASTE GENERATION, CONTINUED

4 QUANTITIES OF WASTE GENERATED IN 1997 THAT WERE

- REPORTED WITH ONLY CHARACTERISTIC WASTE CODES
 - REPORTED WITH ONLY LISTED WASTE CODES
 - REPORTED WITH BOTH CHARACTERISTIC AND LISTED WASTE CODES

WASTE HAS ONLY CHARACTERISTIC CODES	TONS OF WASTE GENERATED	WASTE HAS ONLY LISTED CODES	TONS OF WASTE GENERATED	WASTE HAS BOTH CHARACTERISTIC AND LISTED CODES	TONS OF WASTE GENERATED
ONLY IGNITABLE	4	ONLY AN F CODE	259		
ONLY CORROSIVE	1	ONLY A K CODE	619		
ONLY REACTIVE	0	ONLY A P CODE	0		
ONLY D004-17	19	ONLY A U CODE	2		
ONLY D018-43	524				
HAS MORE THAN ONE CHARACTERISTIC CODE	39	HAS MORE THAN ONE LISTED CODE	0		
TOTAL	586	TOTAL	880	BOTH CHARACTERISTIC & LISTED	12

5 QUANTITIES OF WASTE GENERATED IN 1997 THAT WERE MULTIPLY CODED

WASTE HAS ONLY CHARACTERISTIC CODES BUT MORE THAN ONE APPLIES	TONS OF WASTE GENERATED	ONLY LISTED CODES BUT HAS MORE THAN ONE	TONS OF WASTE GENERATED	BOTH CHAR, AND LISTED CODES	TONS OF WASTE GENERATED
HAS IGNITABLE CODE	37			IGN. W/ AT LEAST 1 LSTD	4
HAS CORROSIVE CODE	0			CORR. W/ AT LEAST 1 LSTD	0
HAS REACTIVE CODE	0			REACT. W/ AT LEAST 1 LSTD	0
HAS D004-D017 CODE	2			D004-17 W/ AT LEAST 1 LSTD	9
HAS D018-D043 CODE	38			D018-43 W/ AT LEAST 1 LSTD	1
		HAS AN F CODE	0	F WASTE W/ AT LEAST 1 CHAR	11
		HAS A K CODE	0	K WASTE W/ AT LEAST 1 CHAR	0
		HAS A P CODE	0	P WASTE W/ AT LEAST 1 CHAR	0
		HAS A U CODE	0	U WASTE W/ AT LEAST 1 CHAR	0
TOTAL	39	TOTAL	0	TOTAL	12

NOTE: COLUMNS DO NOT SUM TO TOTAL BECAUSE A WASTE CODE MAY APPLY TO MORE THAN ONE WASTE.
 MIXTURES WITH IGNITABLE, CORROSIVE, REACTIVE, D004-17, AND D018-43 CHARACTERISTIC CODES ALSO MAY
 CONTAIN OTHER CHARACTERISTIC WASTE CODES.
 SIMILARLY, WASTES WITH F,K,P, AND U LISTED CODES MAY HAVE OTHER LISTED WASTE CODES.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

WYOMING

1997 WASTE MANAGEMENT

6 NUMBER OF RCRA TSD FACILITIES: 5

7 QUANTITY OF RCRA HAZARDOUS WASTE MANAGED: 0 TONS

TABLES 8, 9, 10 AND 11 HAVE BEEN OMITTED FROM THIS REPORT BECAUSE THERE WERE NO FACILITIES IN WYOMING THAT REPORTED MANAGING RCRA HAZARDOUS WASTE IN 1997 OTHER THAN AS A STORAGE ONLY FACILITY.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

WYOMING

1997 WASTE SHIPMENTS

12 NUMBER OF RCRA HAZARDOUS WASTE SHIPPERS: 14

13 QUANTITY OF RCRA HAZARDOUS WASTE SHIPPED: 1,227 TONS

14 FIFTY LARGEST RCRA HAZARDOUS WASTE SHIPPERS, 1997

RANK	EPA ID	SITE NAME	CITY	QUANTITY SHIPPED (TONS)
----	-----	-----	----	-----
1	WYR000001495	KFX FUEL PARTNERS, L.P.	GILLETTE	876
2	WYD051843613	FRONTIER REFINING INC.	CHEYENNE	180
3	WYD048743009	LITTLE AMERICA REFINING COMPANY	CASPER	38
4	WYD043705102	NEWCASTLE REFINERY COMPANY	NEWCASTLE	35
5	WYD079959185	SINCLAIR OIL CORPORATION	SINCLAIR	26
6	WYD088677943	TEXACO REFINING & MARKETING INC	EVANSVILLE	24
7	WYD000712687	NALCO/EXXON ENERGY CHEMICALS	EVANSVILLE	15
8	WY5571924179	FRANCIS E WARREN AFB	CHEYENNE	11
9	WYR000000620	CONOCO PIPELINE BANNER MP117	BANNER	8
10	WYD007089196	COASTAL CHEM INC	CHEYENNE	5
11	WYD988869269	SILVER EAGLE REFINING	EVANSTON	5
12	WYD061112470	UNION PACIFIC RAILROAD	LARAMIE	3
13	WYD981541790	TG SODA ASH INC	GRANGER	2
14	WYD007064447	AMOCO OIL COMPANY FORMER CASPER REFINERY	CASPER	0
TOTAL				1,227

NOTE: COLUMNS MAY NOT SUM DUE TO ROUNDING.
STATE MAY HAVE FEWER THAN FIFTY SHIPPERS.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

WYOMING

1997 WASTE RECEIPTS

TABLES 15, 16, 17, 18, 19 AND 20 HAVE BEEN OMITTED FROM THIS REPORT BECAUSE THERE WERE NO FACILITIES IN WYOMING THAT REPORTED RECEIVING RCRA HAZARDOUS WASTE IN 1997.

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.

WYOMING

1997 IMPORTS AND EXPORTS

21 QUANTITY OF RCRA HAZARDOUS WASTE IMPORTED: 0 TONS

22 QUANTITY OF RCRA HAZARDOUS WASTE EXPORTED: 1,227 TONS

Changes to the 1997 Biennial Reporting requirements will make cursory comparisons of the 1997 National Biennial Report to earlier National Biennial Reports misleading. Refer to the Executive Summary (ES-2) for a complete explanation.