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Solid Waste and
Emergency Response
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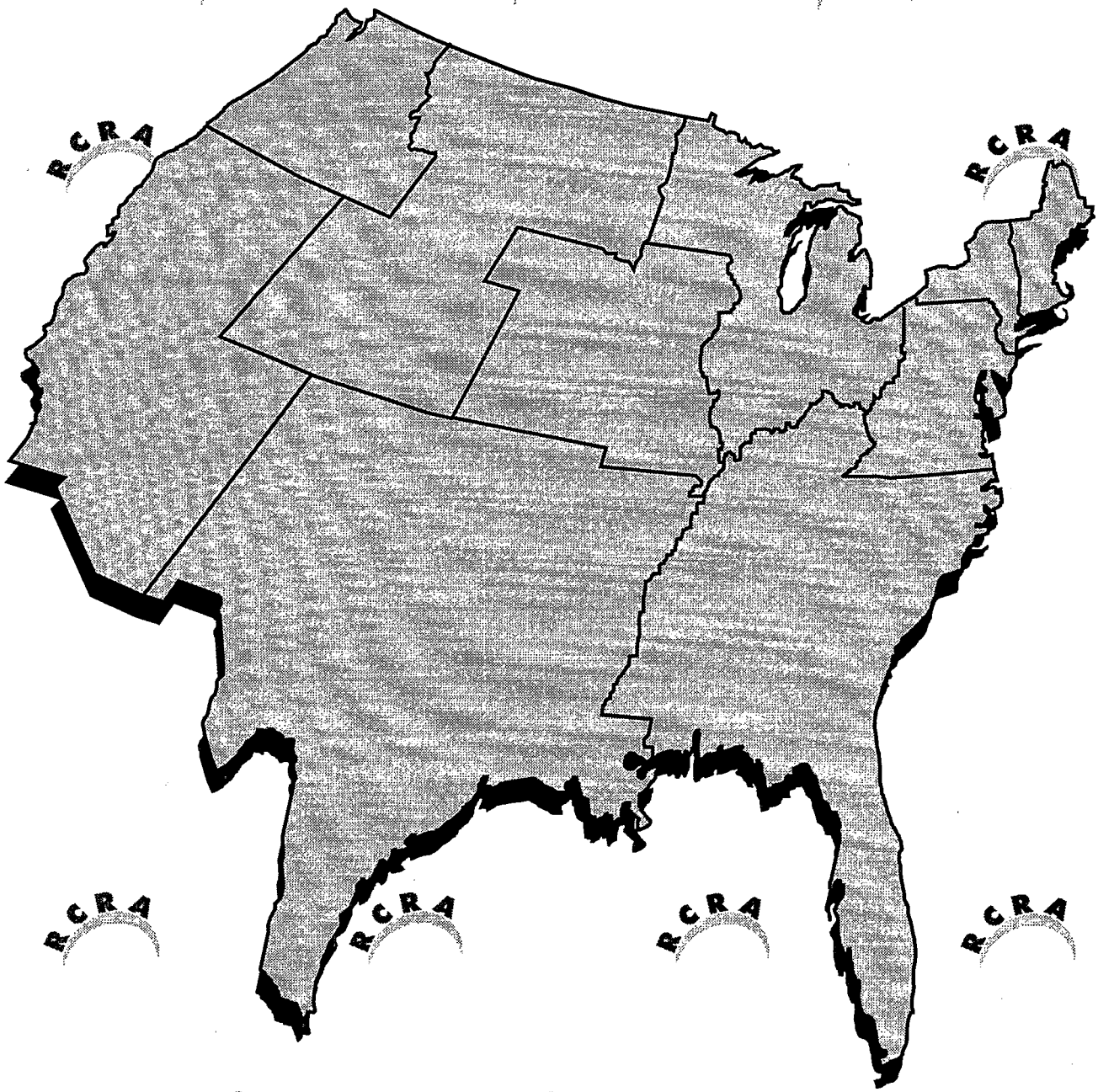
EPA

National Analysis

The Preliminary National Biennial RCRA Hazardous Waste Report (Based on 1995 Data)



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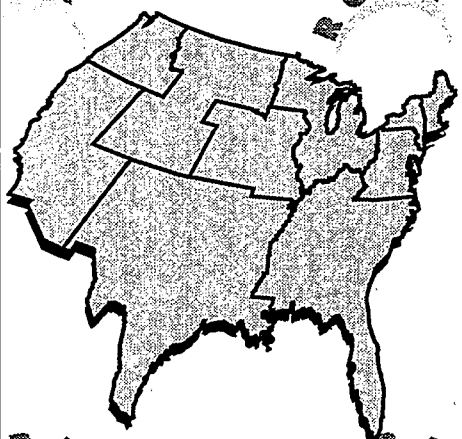
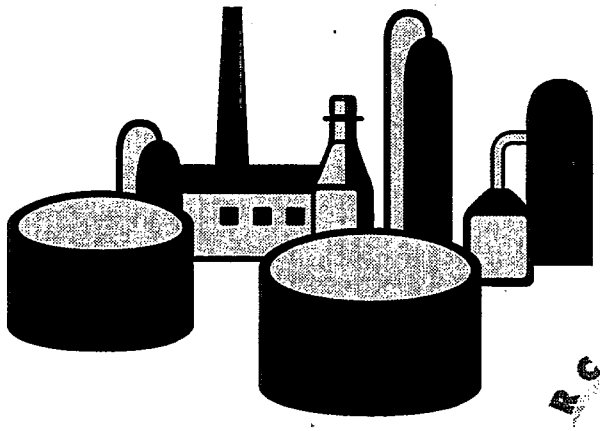
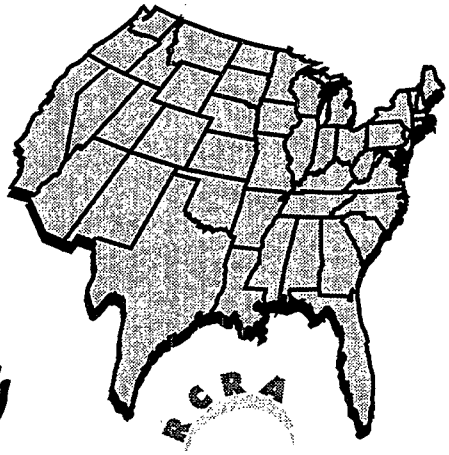
EPA

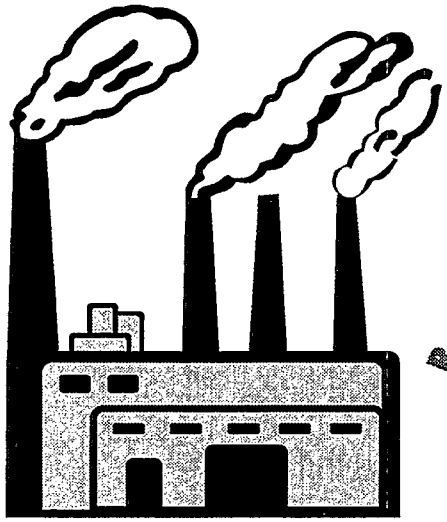
Executive Summary

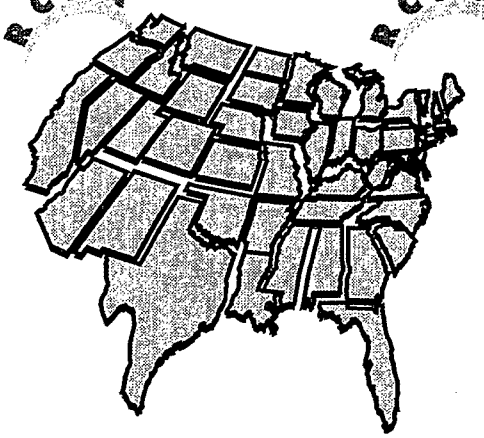
The Preliminary National Biennial RCRA Hazardous Waste Report (Based on 1995 Data)











EXECUTIVE SUMMARY

The United States Environmental Protection Agency (EPA), in cooperation with the States,[1] biennially collects information regarding the generation, management, and final disposition of hazardous wastes regulated under the Resource Conservation and Recovery Act of 1976 (RCRA), as amended. The purpose of this preliminary report is to communicate the initial findings of EPA's 1995 Biennial Reporting System (BRS) data collection efforts to the public, government agencies, and the regulated community, as well as to allow an assessment of the quality and completeness of the data submissions on which the report is based.[2] (For a further discussion of data quality and completeness see page ES-11.) The preliminary report consists of five documents (a "State Summary Analysis" will be included in the final report):

- Executive Summary--an overview of national hazardous waste generation and management practices;
- National Analysis--a detailed look at waste handling practices in the EPA Regions, the States and at the largest facilities in the nation, including quantities of generation, management, shipments and receipts, and interstate imports and exports, as well as counts of generators and managers;
- State Detail Analysis--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 1995; 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 1995.

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

[2]While BRS respondents have submitted Confidential Business Information (CBI) pursuant to 40 CFR 260.2(b), none of these data have been included in this preliminary report.

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, either because it was managed in a unit subject to RCRA permitting standards or because it was shipped and subject to RCRA transportation requirements. Individual States may choose to regulate additional wastes not identified as hazardous by EPA. Hazardous wastes assigned only a State hazardous waste code are not included in this report. Similarly, hazardous wastes managed only in units subject to State permitting standards, or wastes that are managed only in units exempt from RCRA permitting standards, are not included in this report.

RCRA HAZARDOUS WASTE GENERATION

RCRA hazardous waste generation information is obtained from data reported by RCRA large quantity generators (LQG). The RCRA hazardous waste generation quantities in this report are limited to generation quantities that are managed in units subject to RCRA permitting standards. All hazardous waste generation reported to be managed on-site in units exempt from RCRA permitting standards, such as treatment systems permitted by the National Pollutant Discharge Elimination System (NPDES), is excluded from the RCRA generation quantities provided in this report. Although some off-site shipments may ultimately be managed in units exempt from RCRA permitting standards, this determination cannot be made from information reported by the generator. Therefore, all hazardous waste generation shipped off-site is included in the RCRA generation quantities provided in this report.

Hazardous waste generators are included in this report if they identified themselves as a LQG. It is important to note that the LQGs identified in this report have been included on the basis of the best available and most current information provided electronically to the EPA by the States. Both the EPA and the States have made significant efforts to ensure the accuracy of these 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 that are exempt from federal regulation.

A generator was defined as a federal large quantity generator in 1995 if it met or exceeded any one of the following federal criteria:

- The generator generated in any single month 1,000 kg (2,200 lbs 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 lbs) of RCRA acute hazardous waste; or
- The generator generated, or accumulated, at any time more than 100 kg (220 lbs) of spill cleanup material contaminated with RCRA acute hazardous waste.

In 1995, 19,908 LQGs produced 279 million tons of hazardous waste regulated by RCRA. This is a decrease of 4,454 LQGs and an increase of 21 million tons of waste compared to 1993. As identified in Exhibit 1 the five (5) States whose LQGs generated the largest amount of hazardous waste were Texas (145 million tons), Tennessee (39 million tons), California (17 million tons), Louisiana (15 million tons), and Illinois (14 million tons). Together, the LQGs in these States accounted for 82% of the national total waste generated.

Wastewater generation is identified in BRS by the use of certain form codes or by waste management in units typically associated with wastewater management (i.e., management in aqueous treatment units, neutralization tanks, underground injection wells, or other wastewater management systems). See Chapter 1, Waste Generation, of the National Analysis for a list of which form codes and system type codes are used to identify wastewater. (A complete list of system type codes can be found in Appendix A of the National Analysis, and a complete list of form codes can be found in Appendix B of the National Analysis.) In 1995, wastewater generation accounted for 96% of the national generation total, while in 1993 wastewater generation accounted for 92% percent of the national generation total.

Overall, total hazardous waste generation increased from 258 million tons in 1993 to 279 million tons in 1995. Wastewater generation also increased from 237 million tons in 1993 to 267 million tons in 1995. In contrast, non-wastewater generation decreased from 22 million tons in 1993 to 13 million tons in 1995.

In comparing 1995 data with those of earlier reports, it is important to note that many new wastes were captured by RCRA in 1990 with the promulgation of the Toxicity Characteristic (TC) Rule. The TC Rule added 25 new hazardous waste codes (D018 to D043) and required more stringent analytical tests for the presence of toxic constituents in waste. For 1995, these codes captured, at a minimum, 76 million tons of wastes not regulated before 1990. An additional 37 million tons were described by D018 to D043 when mixed with other waste codes. This suggests that, in 1995, the new toxicity characteristic wastes captured as much as 113 million tons of wastes not regulated before 1990. In contrast, the 1993 data reported as much as 135 million tons of waste not regulated before 1990.

RCRA HAZARDOUS WASTE MANAGEMENT

RCRA hazardous waste management information is obtained from data reported by RCRA treatment, storage, or disposal facilities (TSD). The RCRA hazardous waste management quantities in this report are limited to waste that was received or generated by a reporting TSD and managed at the reporting TSD in treatment units subject to RCRA permitting standards. All hazardous waste either received for transfer shipment or managed at a reporting TSD in units exempt from RCRA permitting standards, such as treatment systems permitted by the National Pollutant Discharge Elimination System (NPDES), is excluded from the RCRA management quantities provided in this report.

In 1995, 1,787 TSDs subject to RCRA permitting standards managed 277 million tons of hazardous waste. This represents a 797 facility decrease in the number of TSDs and a 42 million ton increase in the amount of waste managed as compared to 1993. As identified in Exhibit 2 the five (5) States whose TSDs managed the largest quantities of hazardous wastes were Texas (165 million tons), Tennessee (39 million tons), California (16 million tons), Louisiana (14 million tons), and Michigan (14 million tons). Together, the TSDs in these States accounted for 89% of the national total waste managed.

Wastewater management is identified in BRS by the use of certain form codes or by waste management in units typically associated with wastewater management (i.e., management in aqueous treatment units, neutralization tanks, underground injection wells, or other wastewater management systems). See Chapter 2, Waste Management, of the National Analysis for a list of which form codes and system type codes are used to identify

wastewater. (A complete list of system type codes can be found in Appendix A of the National Analysis, and a complete list of form codes can be found in Appendix B of the National Analysis.) In 1995, wastewater management accounted for 97% of the national management total, while in 1993 wastewater management accounted for 94% of the national management total.

Overall, total hazardous waste management increased from 235 million tons in 1993 to 277 million tons in 1995. Wastewater management also increased from 220 million tons in 1993 to 270 million tons in 1995. In contrast, non-wastewater management decreased from 14 million tons in 1993 to 7.8 million tons in 1995.

The majority (53%) of the waste managed in the nation was managed in aqueous treatment units. Aqueous treatment units consist of:

Aqueous organic treatment units	114 million tons
Aqueous organic and inorganic treatment units	24 million tons
Aqueous inorganic treatment units	8 million tons

Land disposal accounted for 8.1% of the national management total. Land Disposal units include:

Deepwell/Underground Injection	21 million tons
Landfill	1 million tons
Surface Impoundment	575 thousand tons
Land Treatment/Application/Farming	10 thousand tons

Thermal treatment accounted for 2.1% of the national management total. Thermal treatment units are:

Incineration	4 million tons
Energy Recovery (Reuse as Fuel)	1 million tons

Recovery operations accounted for 0.7% of the national management total. Recovery operations include:

Fuel Blending	657 thousand tons
Metals Recovery (for Reuse)	528 thousand tons
Other Recovery	515 thousand tons
Solvents Recovery	285 thousand tons

The remaining management quantities (36.1%) were from "Other" treatment and disposal units:

Other Treatment	97 million tons
Other Disposal (specified in comments)	2 million tons
Stabilization	830 thousand tons
Sludge treatment	591 thousand tons

RCRA HAZARDOUS WASTE SHIPMENTS AND RECEIPTS

RCRA hazardous waste shipment information is obtained from data reported by both RCRA large quantity generators (LQG) and RCRA treatment, storage, or disposal facilities (TSD). RCRA hazardous waste shipment quantities include all RCRA waste shipments reported by RCRA LQGs and TSDs. Although some off-site shipments may ultimately be managed in treatment units exempt from RCRA permitting standards, this determination cannot be made from information reported by the shipper. Therefore, the shipment quantities provided in this report may include some waste that is ultimately managed in units exempt from RCRA permitting standards. In some instances, reported waste shipments are actually the movement of wastes across contiguous physical locations that are regulated under different EPA identification numbers. These waste transfers are correctly reported as shipments and cannot be distinguished from transport shipments based on the information reported.

RCRA hazardous waste receipt information is obtained from data reported by RCRA TSDs. RCRA hazardous waste receipt quantities are limited to waste reported by a receiving TSD as either received for transfer or received and managed at the reporting TSD in units subject to RCRA permitting standards. Received wastes managed at the reporting

TSD in units exempt from RCRA permitting standards, such as treatment systems permitted by the National Pollutant Discharge Elimination System (NPDES), are excluded from receipt quantities provided in this report.

Limitations in the reported information prevents the direct comparison of shipment and receipt quantities. Hazardous waste shipment quantities may include hazardous waste shipments that are ultimately managed by the receiver in units exempt from RCRA permitting standards. Hazardous waste receipt quantities exclude waste managed in units exempt from RCRA permitting standards. Therefore, hazardous waste shipment quantities can be expected to exceed hazardous waste receipt quantities because exempt waste may be included in shipment quantities and excluded from receipt quantities. Exempt waste reporting will be eliminated beginning with the 1997 biennial reporting cycle. This change should mitigate this discrepancy in future reports.

RCRA hazardous waste exports are waste shipments where the destination is a different State from where the waste was generated. Exports are calculated from information provided by waste shippers. RCRA hazardous waste imports are waste receipts where the waste originated in another State. RCRA hazardous waste imports are calculated from information provided by RCRA TSDs.

In 1995, 19,567 shippers reported shipping a total of 16 million tons of hazardous waste. This is a decrease of 4,397 shippers and a decrease of 2 million tons of hazardous waste compared to 1993. The States whose shippers reported shipping (in or out of State) the largest quantities of waste were Texas (2.4 million tons), Minnesota (2.1 million tons), New York (2.0 million tons), Illinois (1.9 million tons), and California (1.7 million tons). Together the shippers in these States accounted for 65% of the total quantity of hazardous waste shipped nationwide.

Nationwide, of the 16 million tons of hazardous waste shipped, 8.9 million tons were **exported** to other States. This is a 2.2 million ton increase compared with 1993. The States whose shippers reported exporting the largest amount of waste were Minnesota (2.1 million tons), Illinois (1.7 million tons), and California (1.2 million tons). Together the shippers in these States accounted for 57% of the national total of hazardous waste exports.

In 1995, 522 RCRA TSDs reported receiving 6.2 million tons of hazardous waste. This is a decrease of 217 TSDs and a decrease of 2.8 million tons of hazardous waste compared with 1993. The States whose receivers reported receiving the largest quantities of waste, from both in or out of State, were Texas (980 thousand tons), Indiana (580 thousand tons), Michigan (510 thousand tons), and California (480 thousand tons). Together, the receivers in these States accounted for 42% of the national total of waste receipts.

Nationwide, of the 6.2 million tons of hazardous waste receipts, 3.4 million tons were **imported** from other States. This is a decrease of 820 thousand tons compared with 1993. The States whose receivers reported importing the largest amount of waste were Texas (630 thousand tons), Indiana (260 thousand tons), Michigan (260 thousand tons), Pennsylvania (220 thousand tons), and Louisiana (210 thousand tons). Together the receivers in these States accounted for 46% of the national total of waste imports.

Exhibit 1 **Quantity of RCRA Hazardous Waste Generated and Number of Hazardous Waste Generators, by State, 1995**

STATE	HAZARDOUS WASTE QUANTITY			LARGE QUANTITY GENERATORS		
	RANK	TONS GENERATED	PERCENTAGE	RANK	NUMBER	PERCENTAGE
ALABAMA	16	1,286,262	0.5	23	278	1.4
ALASKA	51	3,438	0.0	42	65	0.3
ARIZONA	40	66,865	0.0	27	199	1.0
ARKANSAS	33	274,158	0.1	26	204	1.0
CALIFORNIA	3	17,029,474	6.1	2	1,635	8.2
COLORADO	36	169,554	0.1	31	156	0.8
CONNECTICUT	30	310,825	0.1	18	395	2.0
DELAWARE	41	66,021	0.0	43	64	0.3
DISTRICT OF COLUMBIA	54	764	0.0	49	18	0.1
FLORIDA	22	558,122	0.2	17	414	2.1
GEORGIA	25	459,543	0.2	16	430	2.2
GUAM	55	299	0.0	53	13	0.1
HAWAII	21	592,900	0.2	45	53	0.3
IDAHO	17	1,209,841	0.4	46	52	0.3
ILLINOIS	5	13,892,416	5.0	5	1,151	5.8
INDIANA	12	1,733,196	0.6	10	606	3.0
IOWA	48	11,507	0.0	37	108	0.5
KANSAS	13	1,722,483	0.6	25	212	1.1
KENTUCKY	18	1,149,881	0.4	14	440	2.2
LOUISIANA	4	15,469,654	5.5	21	359	1.8
MAINE	45	19,459	0.0	33	144	0.7
MARYLAND	26	442,826	0.2	28	189	0.9
MASSACHUSETTS	20	606,282	0.2	12	472	2.4
MICHIGAN	6	12,459,834	4.5	9	707	3.6
MINNESOTA	31	293,489	0.1	22	285	1.4
MISSISSIPPI	14	1,579,260	0.6	32	152	0.8
MISSOURI	42	62,070	0.0	29	181	0.9
MONTANA	50	7,640	0.0	47	51	0.3
NAVAJO NATION	56	195	0.0	54	11	0.1
NEBRASKA	38	89,878	0.0	43	64	0.3
NEVADA	49	8,348	0.0	39	78	0.4
NEW HAMPSHIRE	43	26,009	0.0	34	130	0.7
NEW JERSEY	27	437,202	0.2	7	1,049	5.3
NEW MEXICO	35	204,494	0.1	48	44	0.2
NEW YORK	9	2,557,088	0.9	1	1,878	9.4
NORTH CAROLINA	32	286,339	0.1	11	587	2.9
NORTH DAKOTA	23	520,226	0.2	51	16	0.1
OHIO	11	1,774,939	0.6	3	1,354	6.8
OKLAHOMA	24	511,918	0.2	30	168	0.8
OREGON	39	68,187	0.0	24	220	1.1
PENNSYLVANIA	15	1,523,362	0.5	6	1,110	5.6
PUERTO RICO	19	893,006	0.3	41	68	0.3
RHODE ISLAND	44	25,428	0.0	36	112	0.6
SOUTH CAROLINA	34	261,015	0.1	19	371	1.9
SOUTH DAKOTA	53	780	0.0	51	16	0.1
TENNESSEE	2	38,686,622	13.9	13	467	2.3
TEXAS	1	145,073,442	52.0	4	1,297	6.5
TRUST TERRITORIES	46	12,154	0.0	55	3	0.0
UTAH	28	418,523	0.1	38	98	0.5
VERMONT	47	11,811	0.0	40	75	0.4
VIRGIN ISLANDS	52	3,329	0.0	56	1	0.0
VIRGINIA	37	98,678	0.0	19	371	1.9
WASHINGTON	8	3,250,971	1.2	8	721	3.6
WEST VIRGINIA	7	8,489,828	3.0	35	117	0.6
WISCONSIN	29	404,659	0.1	15	432	2.2
WYOMING	10	1,972,177	0.7	50	17	0.1
TOTAL		**279,088,670**	**100.0**		**19,908**	**100.0**

Note: Columns may not sum due to rounding.

Exhibit 2 **Quantity of RCRA Hazardous Waste Managed and Number of TSDs, by State, 1995**

STATE	HAZARDOUS WASTE QUANTITY[1]			TSD FACILITIES		
	RANK	TONS MANAGED	PERCENTAGE	RANK	NUMBER	PERCENTAGE
ALABAMA	14	1,259,180	0.5	16	46	2.6
ALASKA	31	141,614	0.1	38	12	0.7
ARIZONA	40	11,029	0.0	27	26	1.5
ARKANSAS	22	256,809	0.1	20	37	2.1
CALIFORNIA	3	16,224,855	5.9	1	137	7.7
COLORADO	26	191,047	0.1	21	36	2.0
CONNECTICUT	30	154,729	0.1	17	43	2.4
DELAWARE	44	1,812	0.0	47	5	0.3
DISTRICT OF COLUMBIA	52	0	0.0	52	1	0.1
FLORIDA	29	161,763	0.1	11	55	3.1
GEORGIA	21	348,359	0.1	12	51	2.9
GUAM	51	0	0.0	50	2	0.1
HAWAII	48	476	0.0	46	6	0.3
IDAHO	15	1,240,434	0.4	40	10	0.6
ILLINOIS	7	3,274,425	1.2	3	106	5.9
INDIANA	10	1,486,261	0.5	5	75	4.2
IOWA	43	4,196	0.0	44	7	0.4
KANSAS	9	1,761,658	0.6	14	50	2.8
KENTUCKY	33	123,709	0.0	19	40	2.2
LOUISIANA	4	14,498,887	5.2	6	74	4.1
MAINE	45	1,780	0.0	32	18	1.0
MARYLAND	28	184,605	0.1	29	20	1.1
MASSACHUSETTS	41	7,288	0.0	12	51	2.9
MICHIGAN	5	13,834,017	5.0	2	107	6.0
MINNESOTA	23	245,001	0.1	18	42	2.4
MISSISSIPPI	11	1,446,886	0.5	31	19	1.1
MISSOURI	39	15,129	0.0	26	27	1.5
MONTANA	47	1,283	0.0	42	8	0.4
NAVAJO NATION	52	0	0.0	55	0	0.0
NEBRASKA	34	93,880	0.0	42	8	0.4
NEVADA	37	48,015	0.0	36	13	0.7
NEW HAMPSHIRE	52	0	0.0	52	1	0.1
NEW JERSEY	35	65,064	0.0	15	47	2.6
NEW MEXICO	27	188,444	0.1	35	14	0.8
NEW YORK	18	548,455	0.2	9	66	3.7
NORTH CAROLINA	24	199,439	0.1	7	69	3.9
NORTH DAKOTA	19	518,043	0.2	44	7	0.4
OHIO	13	1,377,294	0.5	10	59	3.3
OKLAHOMA	17	563,381	0.2	22	31	1.7
OREGON	32	137,302	0.0	39	11	0.6
PENNSYLVANIA	12	1,409,381	0.5	8	67	3.7
PUERTO RICO	16	836,505	0.3	34	17	1.0
RHODE ISLAND	38	29,806	0.0	40	10	0.6
SOUTH CAROLINA	25	191,309	0.1	27	26	1.5
SOUTH DAKOTA	50	1	0.0	49	3	0.2
TENNESSEE	2	38,675,221	13.9	24	29	1.6
TEXAS	1	164,751,573	59.4	4	80	4.5
TRUST TERRITORIES	52	0	0.0	50	2	0.1
UTAH	20	382,397	0.1	32	18	1.0
VERMONT	46	1,455	0.0	36	13	0.7
VIRGIN ISLANDS	49	20	0.0	52	1	0.1
VIRGINIA	36	51,995	0.0	22	31	1.7
WASHINGTON	52	0	0.0	55	0	0.0
WEST VIRGINIA	6	8,395,116	3.0	25	28	1.6
WISCONSIN	42	5,159	0.0	29	20	1.1
WYOMING	8	1,970,452	0.7	47	5	0.3
TOTAL		277,316,939	100.0		1,787	100.0

[1]Quantity managed only by storage is excluded.

Note: Columns may not sum due to rounding.

DATA QUALITY AND COMPLETENESS

The data presented in this report have been provided by States to their respective EPA Regional offices. In some cases the data were also collected by EPA Regional offices. When the data were transmitted to EPA Headquarters, the State or Region that collected the data provided an indication of how complete the data were for each State that was being transmitted. Exhibit 3 lists the current level of completion for each State according to one of the two categories described below.

1. State believes data submission is complete.

   State has indicated that it provided all required data for all handlers that were required to file the 1995 Biennial Report, including all LQGs and TSDs in the State. (Please note that sites claiming confidential business information have been excluded from all volumes of this preliminary report.)

2. State believes data submission is incomplete.

   State has indicated that its data omitted handlers that were required to file the 1995 Biennial Report. Data for these States will probably change when a complete submission is received for the State.

WHERE TO OBTAIN ADDITIONAL INFORMATION

All volumes of *The Preliminary Biennial RCRA Hazardous Waste Report (Based on 1995 Data)*, as well as the 1995 Preliminary Biennial Reporting System (BRS) database, can be obtained via the Internet at: "http://www.epa.gov/epaoswer/hazwaste/data/" or they can be purchased from the National Technical Information Service (NTIS) at (703) 487-4650.

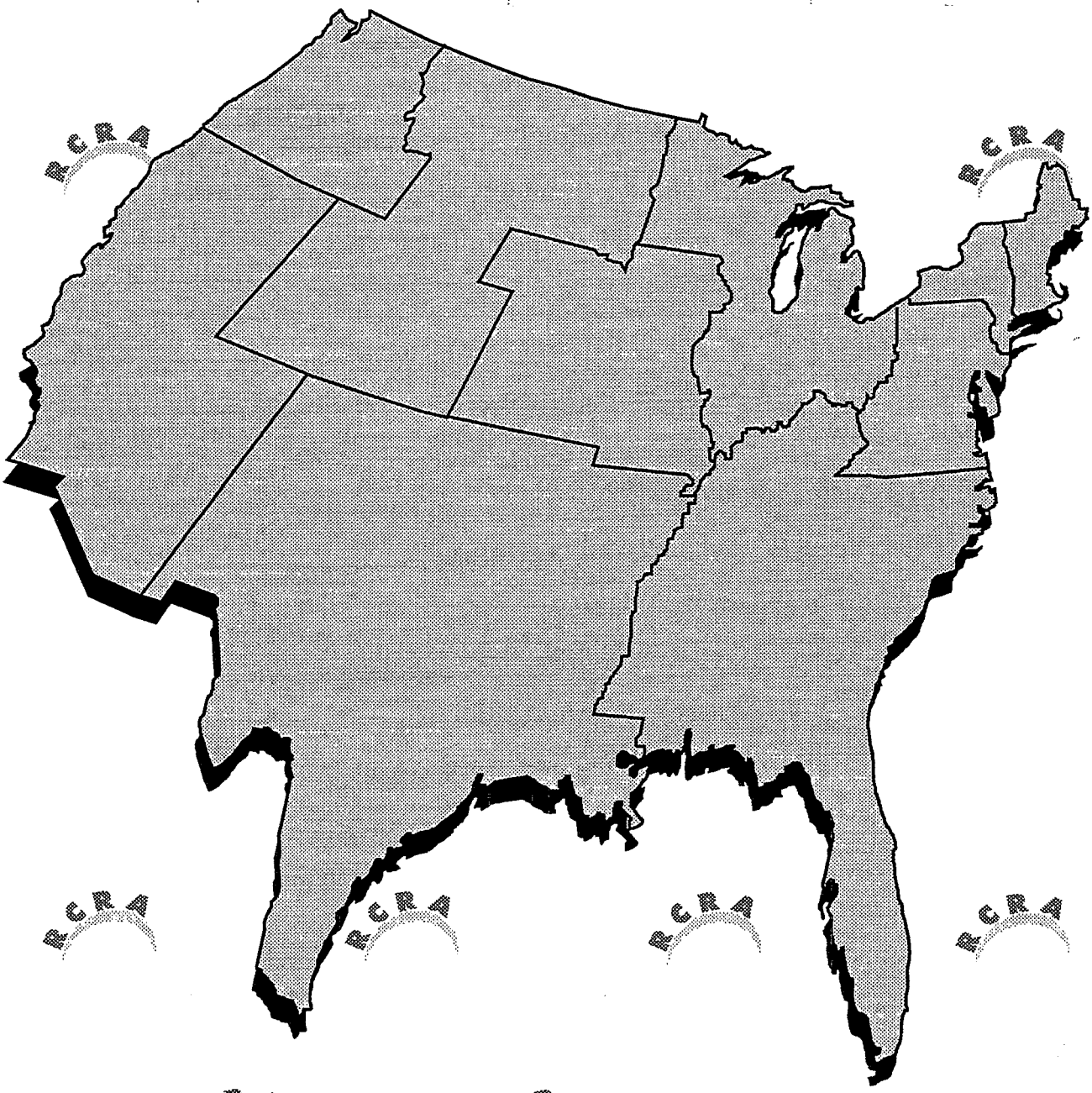
Exhibit 3 Status of State Data Submissions, 1995

STATE	STATUS OF STATE DATA SUBMISSION
ALABAMA	STATE BELIEVES DATA SUBMISSION IS COMPLETE.
ALASKA	STATE BELIEVES DATA SUBMISSION IS COMPLETE.
ARIZONA	STATE BELIEVES DATA SUBMISSION IS COMPLETE.
ARKANSAS	STATE BELIEVES DATA SUBMISSION IS COMPLETE.
CALIFORNIA	STATE BELIEVES DATA SUBMISSION IS COMPLETE.
COLORADO	STATE BELIEVES DATA SUBMISSION IS COMPLETE.
CONNECTICUT	STATE BELIEVES DATA SUBMISSION IS COMPLETE.
DELAWARE	STATE BELIEVES DATA SUBMISSION IS COMPLETE.
DISTRICT OF COLUMBIA	STATE BELIEVES DATA SUBMISSION IS COMPLETE.
FLORIDA	STATE BELIEVES DATA SUBMISSION IS COMPLETE.
GEORGIA	STATE BELIEVES DATA SUBMISSION IS COMPLETE.
GUAM	STATE BELIEVES DATA SUBMISSION IS COMPLETE.
HAWAII	STATE BELIEVES DATA SUBMISSION IS COMPLETE.
IDAHO	STATE BELIEVES DATA SUBMISSION IS COMPLETE.
ILLINOIS	STATE BELIEVES DATA SUBMISSION IS COMPLETE.
INDIANA	STATE BELIEVES DATA SUBMISSION IS COMPLETE.
IOWA	STATE BELIEVES DATA SUBMISSION IS **INCOMPLETE.**
KANSAS	STATE BELIEVES DATA SUBMISSION IS COMPLETE.
KENTUCKY	STATE BELIEVES DATA SUBMISSION IS COMPLETE.
LOUISIANA	STATE BELIEVES DATA SUBMISSION IS COMPLETE.
MAINE	STATE BELIEVES DATA SUBMISSION IS COMPLETE.
MARYLAND	STATE BELIEVES DATA SUBMISSION IS **INCOMPLETE.**
MASSACHUSETTS	STATE BELIEVES DATA SUBMISSION IS COMPLETE.
MICHIGAN	STATE BELIEVES DATA SUBMISSION IS **INCOMPLETE.**
MINNESOTA	STATE BELIEVES DATA SUBMISSION IS COMPLETE.
MISSISSIPPI	STATE BELIEVES DATA SUBMISSION IS COMPLETE.
MISSOURI	STATE BELIEVES DATA SUBMISSION IS **INCOMPLETE.**
MONTANA	STATE BELIEVES DATA SUBMISSION IS COMPLETE.
NAVAJO NATION	STATE BELIEVES DATA SUBMISSION IS COMPLETE.
NEBRASKA	STATE BELIEVES DATA SUBMISSION IS **INCOMPLETE.**
NEVADA	STATE BELIEVES DATA SUBMISSION IS COMPLETE.
NEW HAMPSHIRE	STATE BELIEVES DATA SUBMISSION IS COMPLETE.
NEW JERSEY	STATE BELIEVES DATA SUBMISSION IS COMPLETE.
NEW MEXICO	STATE BELIEVES DATA SUBMISSION IS COMPLETE.
NEW YORK	STATE BELIEVES DATA SUBMISSION IS COMPLETE.
NORTH CAROLINA	STATE BELIEVES DATA SUBMISSION IS COMPLETE.
NORTH DAKOTA	STATE BELIEVES DATA SUBMISSION IS COMPLETE.
OHIO	STATE BELIEVES DATA SUBMISSION IS **INCOMPLETE.**
OKLAHOMA	STATE BELIEVES DATA SUBMISSION IS COMPLETE.
OREGON	STATE BELIEVES DATA SUBMISSION IS COMPLETE.
PENNSYLVANIA	STATE BELIEVES DATA SUBMISSION IS COMPLETE.
PUERTO RICO	STATE BELIEVES DATA SUBMISSION IS **INCOMPLETE.**
RHODE ISLAND	STATE BELIEVES DATA SUBMISSION IS COMPLETE.
SOUTH CAROLINA	STATE BELIEVES DATA SUBMISSION IS COMPLETE.
SOUTH DAKOTA	STATE BELIEVES DATA SUBMISSION IS COMPLETE.
TENNESSEE	STATE BELIEVES DATA SUBMISSION IS COMPLETE.
TEXAS	STATE BELIEVES DATA SUBMISSION IS COMPLETE.
TRUST TERRITORY	STATE BELIEVES DATA SUBMISSION IS COMPLETE.
UTAH	STATE BELIEVES DATA SUBMISSION IS **INCOMPLETE.**
VERMONT	STATE BELIEVES DATA SUBMISSION IS COMPLETE.
VIRGIN ISLANDS	STATE BELIEVES DATA SUBMISSION IS COMPLETE.
VIRGINIA	STATE BELIEVES DATA SUBMISSION IS COMPLETE.
WASHINGTON	STATE BELIEVES DATA SUBMISSION IS COMPLETE.
WEST VIRGINIA	STATE BELIEVES DATA SUBMISSION IS COMPLETE.
WISCONSIN	STATE BELIEVES DATA SUBMISSION IS **INCOMPLETE.**
WYOMING	STATE BELIEVES DATA SUBMISSION IS COMPLETE.

EPA

National Analysis

The Preliminary National Biennial RCRA Hazardous Waste Report (Based on 1995 Data)



National Biennial RCRA Hazardous Waste Report

The United States Environmental Protection Agency (EPA), in cooperation with individual States,[1] biennially collects information regarding the generation, management, and final disposition of hazardous wastes regulated under the Resource Conservation and Recovery Act of 1976 (RCRA), as amended. The purpose of this report is to communicate the initial findings of EPA's 1995 Biennial Reporting System (BRS) data collection efforts to the public, government agencies, and the regulated community, as well as to allow an assessment of the quality and completeness of the data submissions on which the report is based.[2] (For further discussion of data quality and completeness, see Appendix E.)

1.0 WASTE GENERATION

This section presents a series of exhibits describing RCRA hazardous waste generation in 1995. For a complete description of what is included in this report, please see the Executive Summary sections "RCRA Hazardous Waste" and "RCRA Hazardous Waste Generation."

Nationwide, 19,908 large quantity generators (LQG) produced 279 million tons[3] of hazardous wastes regulated by RCRA. This represents a decrease of 4,454 LQGs and an increase of 21 million tons of hazardous waste compared to 1993. Exhibits 1.1, 1.2, and 1.3 present the quantity of RCRA hazardous waste generated and number of LQGs in each EPA Region in 1995[4]. LQGs located in three Regions produced 85% of the 279 million tons generated nationwide. LQGs in Region 6 generated 162 million tons, LQGs in Region 4 generated 44 million tons, and LQGs in Region 5 generated 31 million tons. The EPA Regions with the largest numbers of LQGs were Region 5 (4,535), Region 4 (3,139), and Region 2 (2,996). The LQGs in these three (3) Regions accounted for 54% of the total number of LQGs.

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

[2]While BRS respondents have submitted confidential business information (CBI) pursuant to 40 CFR 260.2(b), none of these data have been included in this preliminary report.

[3]1 Ton = 2,000 pounds.

[4]See Appendix C for information on which States are in each EPA Region.

Exhibit 1.1 Number and Percentage of RCRA Hazardous Waste Generators and Total RCRA Hazardous Waste Quantity Generated, by EPA Region, 1995

EPA REGION	HAZARDOUS WASTE QUANTITY		LARGE QUANTITY GENERATORS	
	TONS GENERATED	PERCENTAGE	NUMBER	PERCENTAGE
1	999,813	0.4	1,328	6.7
2	3,890,625	1.4	2,996	15.0
3	10,621,479	3.8	1,869	9.4
4	44,267,044	15.9	3,139	15.8
5	30,558,533	10.9	4,535	22.8
6	161,533,667	57.9	2,072	10.4
7	1,885,938	0.7	565	2.8
8	3,088,899	1.1	354	1.8
9	17,710,234	6.3	1,992	10.0
10	4,532,437	1.6	1,058	5.3
TOTAL	279,088,670	100.0	19,908	100.0

Exhibit 1.2 Number and Percentage of RCRA Hazardous Waste Generators and Total RCRA Hazardous Waste Quantity Generated in Each EPA Region, by Highest Quantity Generated, 1995

EPA REGION	HAZARDOUS WASTE QUANTITY		LARGE QUANTITY GENERATORS	
	TONS GENERATED	PERCENTAGE	NUMBER	PERCENTAGE
6	161,533,667	57.9	2,072	10.4
4	44,267,044	15.9	3,139	15.8
5	30,558,533	10.9	4,535	22.8
9	17,710,234	6.3	1,992	10.0
3	10,621,479	3.8	1,869	9.4
10	4,532,437	1.6	1,058	5.3
2	3,890,625	1.4	2,996	15.0
8	3,088,899	1.1	354	1.8
7	1,885,938	0.7	565	2.8
1	999,813	0.4	1,328	6.7
TOTAL	279,088,670	100.0	19,908	100.0

Note: Columns for these two exhibits may not sum due to rounding.

Exhibit 1.3 Number and Percentage of RCRA Hazardous Waste Generators and Total RCRA Hazardous Waste Quantity Generated in Each EPA Region, by Highest Number of Generators, 1995

EPA REGION	LARGE QUANTITY GENERATORS		HAZARDOUS WASTE QUANTITY	
	NUMBER	PERCENTAGE	TONS GENERATED	PERCENTAGE
5	4,535	22.8	30,558,533	10.9
4	3,139	15.8	44,267,044	15.9
2	2,996	15.0	3,890,625	1.4
6	2,072	10.4	161,533,667	57.9
9	1,992	10.0	17,710,234	6.3
3	1,869	9.4	10,621,479	3.8
1	1,328	6.7	999,813	0.4
10	1,058	5.3	4,532,437	1.6
7	565	2.8	1,885,938	0.7
8	354	1.8	3,088,899	1.1
TOTAL	**19,908**	**100.0**	**279,088,670**	**100.0**

Note: Columns may not sum due to rounding.

The LQGs in Region 6 generated the largest amount of hazardous waste (162 million tons or 58%) while the Region ranked fourth in number of LQGs (2,072). Region 5 had the highest number of LQGs (4,535), and the LQGs in Region 5 ranked third in the amount of hazardous waste generated (31 million tons or 11%). Region 8 had the smallest number of LQGs (354), and the LQGs in Region 1 generated the least amount of hazardous waste (1.0 million tons).

As shown in Exhibits 1.4, 1.5, and 1.6, the five (5) States whose LQGs generated the largest amount of hazardous waste were Texas (145 million tons), Tennessee (39 million tons), California (17 million tons), Louisiana (15 million tons), and Illinois (14 million tons). Together, the LQGs in these States accounted for 82% of the national total quantity generated.

The States with the most LQGs were New York (1,878), California (1,635), Ohio (1,354), Texas (1,297), and Illinois (1,151). The LQGs in these States accounted for 37% of the total number of LQGs.

As shown in Exhibit 1.7, the largest 50 generators nationwide account for 87% (243 million tons) of the national total. Large generators within the five (5) largest States (Texas, Tennessee, California, Louisiana, and Illinois) accounted for the majority of the States' generation totals. Of the 50 generators, 23 are located in Texas. These 23 generators accounted for 96% of Texas' total hazardous waste generation. One (1) Tennessee site, Tennessee Eastman Co., accounted for 99% of Tennessee's total. Three (3) generators in California accounted for 86% of the State's total. In Louisiana, seven (7) generators accounted for 79% of the State's total. Finally, four (4) generators accounted for 82% of Illinois' total.

Exhibit 1.4 Quantity of RCRA Hazardous Waste Generated and Number of Hazardous Waste Generators, by State, 1995

STATE	HAZARDOUS WASTE QUANTITY			LARGE QUANTITY GENERATORS		
	RANK	TONS GENERATED	PERCENTAGE	RANK	NUMBER	PERCENTAGE
ALABAMA	16	1,286,262	0.5	23	278	1.4
ALASKA	51	3,438	0.0	42	65	0.3
ARIZONA	40	66,865	0.0	27	199	1.0
ARKANSAS	33	274,158	0.1	26	204	1.0
CALIFORNIA	3	17,029,474	6.1	2	1,635	8.2
COLORADO	36	169,554	0.1	31	156	0.8
CONNECTICUT	30	310,825	0.1	18	395	2.0
DELAWARE	41	66,021	0.0	43	64	0.3
DISTRICT OF COLUMBIA	54	764	0.0	49	18	0.1
FLORIDA	22	558,122	0.2	17	414	2.1
GEORGIA	25	459,543	0.2	16	430	2.2
GUAM	55	299	0.0	53	13	0.1
HAWAII	21	592,900	0.2	45	53	0.3
IDAHO	17	1,209,841	0.4	46	52	0.3
ILLINOIS	5	13,892,416	5.0	5	1,151	5.8
INDIANA	12	1,733,196	0.6	10	606	3.0
IOWA	48	11,507	0.0	37	108	0.5
KANSAS	13	1,722,483	0.6	25	212	1.1
KENTUCKY	18	1,149,881	0.4	14	440	2.2
LOUISIANA	4	15,469,654	5.5	21	359	1.8
MAINE	45	19,459	0.0	33	144	0.7
MARYLAND	26	442,826	0.2	28	189	0.9
MASSACHUSETTS	20	606,282	0.2	12	472	2.4
MICHIGAN	6	12,459,834	4.5	9	707	3.6
MINNESOTA	31	293,489	0.1	22	285	1.4
MISSISSIPPI	14	1,579,260	0.6	32	152	0.8
MISSOURI	42	62,070	0.0	29	181	0.9
MONTANA	50	7,640	0.0	47	51	0.3
NAVAJO NATION	56	195	0.0	54	11	0.1
NEBRASKA	38	89,878	0.0	43	64	0.3
NEVADA	49	8,348	0.0	39	78	0.4
NEW HAMPSHIRE	43	26,009	0.0	34	130	0.7
NEW JERSEY	27	437,202	0.2	7	1,049	5.3
NEW MEXICO	35	204,494	0.1	48	44	0.2
NEW YORK	9	2,557,088	0.9	1	1,878	9.4
NORTH CAROLINA	32	286,339	0.1	11	587	2.9
NORTH DAKOTA	23	520,226	0.2	51	16	0.1
OHIO	11	1,774,939	0.6	3	1,354	6.8
OKLAHOMA	24	511,918	0.2	30	168	0.8
OREGON	39	68,187	0.0	24	220	1.1
PENNSYLVANIA	15	1,523,362	0.5	6	1,110	5.6
PUERTO RICO	19	893,006	0.3	41	68	0.3
RHODE ISLAND	44	25,428	0.0	36	112	0.6
SOUTH CAROLINA	34	261,015	0.1	19	371	1.9
SOUTH DAKOTA	53	780	0.0	51	16	0.1
TENNESSEE	2	38,686,622	13.9	13	467	2.3
TEXAS	1	145,073,442	52.0	4	1,297	6.5
TRUST TERRITORIES	46	12,154	0.0	55	3	0.0
UTAH	28	418,523	0.1	38	98	0.5
VERMONT	47	11,811	0.0	40	75	0.4
VIRGIN ISLANDS	52	3,329	0.0	56	1	0.0
VIRGINIA	37	98,678	0.0	19	371	1.9
WASHINGTON	8	3,250,971	1.2	8	721	3.6
WEST VIRGINIA	7	8,489,828	3.0	35	117	0.6
WISCONSIN	29	404,659	0.1	15	432	2.2
WYOMING	10	1,972,177	0.7	50	17	0.1
TOTAL		279,088,670	100.0		19,908	100.0

Note: Columns may not sum due to rounding.

Exhibit 1.5 **Rank Ordering of States Based on Quantity of RCRA Hazardous Waste Generated and Number of Hazardous Waste Generators, 1995**

STATE	HAZARDOUS WASTE QUANTITY			LARGE QUANTITY GENERATORS		
	RANK	TONS GENERATED	PERCENTAGE	RANK	NUMBER	PERCENTAGE
TEXAS	1	145,073,442	52.0	4	1,297	6.5
TENNESSEE	2	38,686,622	13.9	13	467	2.3
CALIFORNIA	3	17,029,474	6.1	2	1,635	8.2
LOUISIANA	4	15,469,654	5.5	21	359	1.8
ILLINOIS	5	13,892,416	5.0	5	1,151	5.8
MICHIGAN	6	12,459,834	4.5	9	707	3.6
WEST VIRGINIA	7	8,489,828	3.0	35	117	0.6
WASHINGTON	8	3,250,971	1.2	8	721	3.6
NEW YORK	9	2,557,088	0.9	1	1,878	9.4
WYOMING	10	1,972,177	0.7	50	17	0.1
OHIO	11	1,774,939	0.6	3	1,354	6.8
INDIANA	12	1,733,196	0.6	10	606	3.0
KANSAS	13	1,722,483	0.6	25	212	1.1
MISSISSIPPI	14	1,579,260	0.6	32	152	0.8
PENNSYLVANIA	15	1,523,362	0.5	6	1,110	5.6
ALABAMA	16	1,286,262	0.5	23	278	1.4
IDAHO	17	1,209,841	0.4	46	52	0.3
KENTUCKY	18	1,149,881	0.4	14	440	2.2
PUERTO RICO	19	893,006	0.3	41	68	0.3
MASSACHUSETTS	20	606,282	0.2	12	472	2.4
HAWAII	21	592,900	0.2	45	53	0.3
FLORIDA	22	558,122	0.2	17	414	2.1
NORTH DAKOTA	23	520,226	0.2	51	16	0.1
OKLAHOMA	24	511,918	0.2	30	168	0.8
GEORGIA	25	459,543	0.2	16	430	2.2
MARYLAND	26	442,826	0.2	28	189	0.9
NEW JERSEY	27	437,202	0.2	7	1,049	5.3
UTAH	28	418,523	0.1	38	98	0.5
WISCONSIN	29	404,659	0.1	15	432	2.2
CONNECTICUT	30	310,825	0.1	18	395	2.0
MINNESOTA	31	293,489	0.1	22	285	1.4
NORTH CAROLINA	32	286,339	0.1	11	587	2.9
ARKANSAS	33	274,158	0.1	26	204	1.0
SOUTH CAROLINA	34	261,015	0.1	19	371	1.9
NEW MEXICO	35	204,494	0.1	48	44	0.2
COLORADO	36	169,554	0.1	31	156	0.8
VIRGINIA	37	98,678	0.0	19	371	1.9
NEBRASKA	38	89,878	0.0	43	64	0.3
OREGON	39	68,187	0.0	24	220	1.1
ARIZONA	40	66,865	0.0	27	199	1.0
DELAWARE	41	66,021	0.0	43	64	0.3
MISSOURI	42	62,070	0.0	29	181	0.9
NEW HAMPSHIRE	43	26,009	0.0	34	130	0.7
RHODE ISLAND	44	25,428	0.0	36	112	0.6
MAINE	45	19,459	0.0	33	144	0.7
TRUST TERRITORIES	46	12,154	0.0	55	3	0.0
VERMONT	47	11,811	0.0	40	75	0.4
IOWA	48	11,507	0.0	37	108	0.5
NEVADA	49	8,348	0.0	39	78	0.4
MONTANA	50	7,640	0.0	47	51	0.3
ALASKA	51	3,438	0.0	42	65	0.3
VIRGIN ISLANDS	52	3,329	0.0	56	1	0.0
SOUTH DAKOTA	53	780	0.0	51	16	0.1
DISTRICT OF COLUMBIA	54	764	0.0	49	18	0.1
GUAM	55	299	0.0	53	13	0.1
NAVAJO NATION	56	195	0.0	54	11	0.1
TOTAL		279,088,670	100.0		19,908	100.0

Note: Column may not sum due to rounding.

Exhibit 1.6 **Rank Ordering of States Based on Number of Hazardous Waste Generators and Quantity of RCRA Hazardous Waste Generated, 1995**

STATE	LARGE QUANTITY GENERATORS			HAZARDOUS WASTE QUANTITY		
	RANK	NUMBER	PERCENTAGE	RANK	TONS GENERATED	PERCENTAGE
NEW YORK	1	1,878	9.4	9	2,557,088	0.9
CALIFORNIA	2	1,635	8.2	3	17,029,474	6.1
OHIO	3	1,354	6.8	11	1,774,939	0.6
TEXAS	4	1,297	6.5	1	145,073,442	52.0
ILLINOIS	5	1,151	5.8	5	13,892,416	5.0
PENNSYLVANIA	6	1,110	5.6	15	1,523,362	0.5
NEW JERSEY	7	1,049	5.3	27	437,202	0.2
WASHINGTON	8	721	3.6	8	3,250,971	1.2
MICHIGAN	9	707	3.6	6	12,459,834	4.5
INDIANA	10	606	3.0	12	1,733,196	0.6
NORTH CAROLINA	11	587	2.9	32	286,339	0.1
MASSACHUSETTS	12	472	2.4	20	606,282	0.2
TENNESSEE	13	467	2.3	2	38,686,622	13.9
KENTUCKY	14	440	2.2	18	1,149,881	0.4
WISCONSIN	15	432	2.2	29	404,659	0.1
GEORGIA	16	430	2.2	25	459,543	0.2
FLORIDA	17	414	2.1	22	558,122	0.2
CONNECTICUT	18	395	2.0	30	310,825	0.1
SOUTH CAROLINA	19	371	1.9	34	261,015	0.1
VIRGINIA	19	371	1.9	37	98,678	0.0
LOUISIANA	21	359	1.8	4	15,469,654	5.5
MINNESOTA	22	285	1.4	31	293,489	0.1
ALABAMA	23	278	1.4	16	1,286,262	0.5
OREGON	24	220	1.1	39	68,187	0.0
KANSAS	25	212	1.1	13	1,722,483	0.6
ARKANSAS	26	204	1.0	33	274,158	0.1
ARIZONA	27	199	1.0	40	66,865	0.0
MARYLAND	28	189	0.9	26	442,826	0.2
MISSOURI	29	181	0.9	42	62,070	0.0
OKLAHOMA	30	168	0.8	24	511,918	0.2
COLORADO	31	156	0.8	36	169,554	0.1
MISSISSIPPI	32	152	0.8	14	1,579,260	0.6
MAINE	33	144	0.7	45	19,459	0.0
NEW HAMPSHIRE	34	130	0.7	43	26,009	0.0
WEST VIRGINIA	35	117	0.6	7	8,489,828	3.0
RHODE ISLAND	36	112	0.6	44	25,428	0.0
IOWA	37	108	0.5	48	11,507	0.0
UTAH	38	98	0.5	28	418,523	0.1
NEVADA	39	78	0.4	49	8,348	0.0
VERMONT	40	75	0.4	47	11,811	0.0
PUERTO RICO	41	68	0.3	19	893,006	0.3
ALASKA	42	65	0.3	51	3,438	0.0
DELAWARE	43	64	0.3	41	66,021	0.0
NEBRASKA	43	64	0.3	38	89,878	0.0
HAWAII	45	53	0.3	21	592,900	0.2
IDAHO	46	52	0.3	17	1,209,841	0.4
MONTANA	47	51	0.3	50	7,640	0.0
NEW MEXICO	48	44	0.2	35	204,494	0.1
DISTRICT OF COLUMBIA	49	18	0.1	54	764	0.0
WYOMING	50	17	0.1	10	1,972,177	0.7
NORTH DAKOTA	51	16	0.1	23	520,226	0.2
SOUTH DAKOTA	51	16	0.1	53	780	0.0
GUAM	53	13	0.1	55	299	0.0
NAVAJO NATION	54	11	0.1	56	195	0.0
TRUST TERRITORIES	55	3	0.0	46	12,154	0.0
VIRGIN ISLANDS	56	1	0.0	52	3,329	0.0
TOTAL		19,908	100.0		279,088,670	100.0

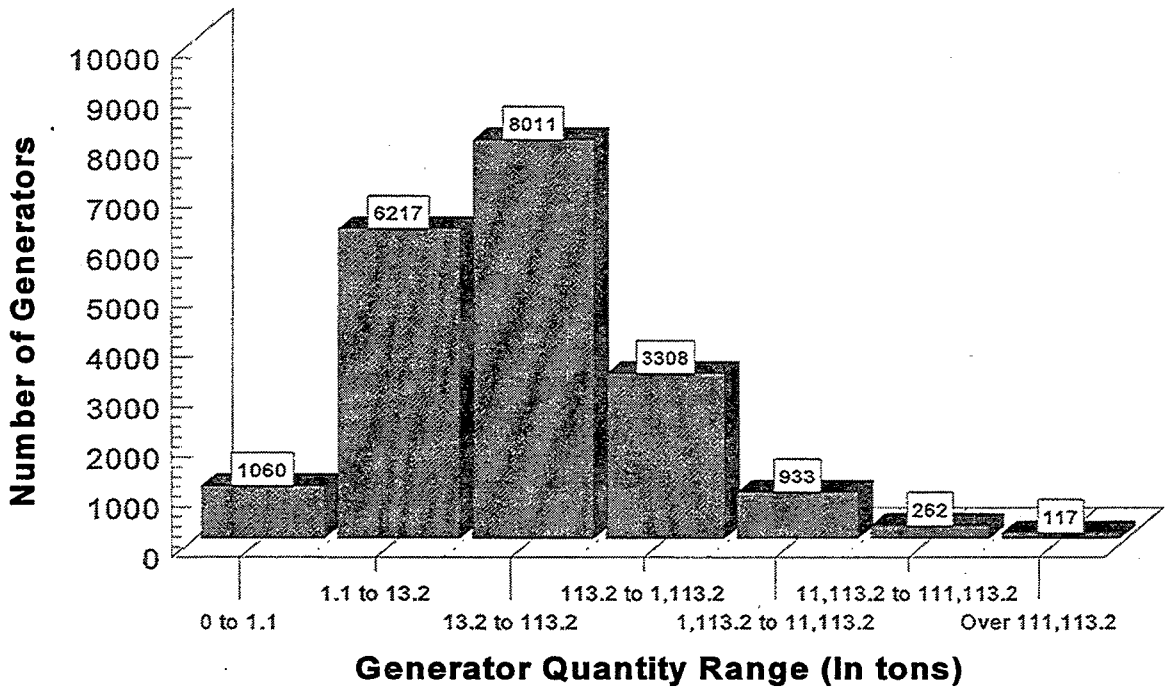
Note: Column may not sum due to rounding.

Exhibit 1.7 **Fifty Largest RCRA Hazardous Waste Generators in the U.S., 1995**

RANK	EPA ID	NAME	CITY	TONS GENERATED
1	TXD008079642	DUPONT - SABINE RIVER WORKS	ORANGE, TX	57,521,303
2	TND003376928	TENN EASTMAN DIVISION OF EASTMAN CHEMICA	KINGSPORT, TN	38,171,574
3	TXD008080533	AMOCO PETROLEUM PRODUCTS	TEXAS CITY, TX	18,039,405
4	MID000724724	DOW CHEMICAL CO-MIDLAND PLANT SITE	MIDLAND, MI	9,637,185
5	TXD008092793	THE DOW CHEMICAL COMPANY	FREEPORT, TX	9,281,826
6	ILD080012305	SHELL WOOD RIVER REFINING CO	ROXANA, IL	8,627,306
7	CAD009164021	SHELL OIL COMPANY	MARTINEZ, CA	8,507,324
8	TXD980626774	PHILLIPS 66 COMPANY, BORGER COMPLEX REF	BORGER, TX	7,585,964
9	WVD005005509	RHONE-POULENC INSTITUTE PLANT	INSTITUTE, WV	7,470,621
10	TXD007330202	TEXAS EASTMAN DIVISION, EASTMAN CHEM CO	LONGVIEW, TX	6,171,383
11	TXD067285973	SHELL OIL COMPANY	DEER PARK, TX	6,164,211
12	TXD001700806	CHOCOLATE BAYOU / MONSANTO	ALVIN, TX	5,546,792
13	CAD009108705	UNOCAL - SAN FRANCISCO REFINERY	RODEO, CA	4,098,876
14	LAD041581422	UNION CARBIDE CORP. TAFT PLANT	TAFT, LA	3,564,281
15	TXD000782698	EXXON BAYTOWN REFINERY	BAYTOWN, TX	3,319,958
16	TXD051161990	CITGO REFINING AND CHEMICALS CO., L.P.	CORPUS CHRISTI, TX	2,970,752
17	TXD058275769	LYONDELL PETROCHEMICAL COMPANY	CHANNELVIEW, TX	2,900,092
18	TXD008081101	E.I. DUPONT NEMOURS & CO. INC	NEDERLAND, TX	2,452,911
19	TXD083472266	ARCO CHEMICAL COMPANY	CHANNELVIEW, TX	2,312,634
20	TXD008079527	STERLING CHEMICALS, INC.	TEXAS CITY, TX	2,248,653
21	TXD055141378	ROLLINS ENVIRONMENTAL SERVICES (TX) INC.	DEER PARK, TX	2,216,925
22	LAD008187080	DOW CHEMICAL COMPANY LOUISIANA DIVISION	PLAQUEMINE, LA	2,115,656
23	CAD008302903	CHEMICAL WASTE MANAGEMENT-AZUSA FACILITY	AZUSA, CA	1,987,538
24	TXD000017756	DOW CHEMICAL COMPANY - LA PORTE SITE	LA PORTE, TX	1,811,186
25	LAD008175390	CYTEC INDUSTRIES INC.	WAGGAMAN, LA	1,743,006
26	TXD990757486	AIR PRODUCTS, INC.	PASADENA, TX	1,632,733
27	TXD000836486	GREENS BAYOU PLANT/ISK BIOSCIENCES CORP.	HOUSTON, TX	1,524,110
28	KSD007482029	VULCAN MATERIALS COMPANY	WICHITA, KS	1,484,817
29	LAD008213191	RUBICON INC	GEISMAR, LA	1,484,310
30	TXD059685339	MCKEE PLANTS	SUNRAY, TX	1,452,852
31	NYD003930849	DISTILLATION PRODUCTS INDUSTRIES	ROCHESTER, NY	1,396,647
32	WYD079959185	SINCLAIR OIL CORPORATION	SINCLAIR, WY	1,315,106
33	LAD010395127	ROLLINS ENVIRONMENTAL SERVICES (LA) INC.	BATON ROUGE, LA	1,272,394
34	LAD000812818	EXXON CHEMICAL AMERICAS	BATON ROUGE, LA	1,151,719
35	ILD068469386	DANA VICTOR PRODUCTS	CICERO, IL	1,077,363
36	TXD078432457	HOECHST CELANESE CHEMICAL GROUP, LTD.,CL	PASADENA, TX	1,057,685
37	OHD042157644	BP CHEMICALS INC	LIMA, OH	993,049
38	ILD064403199	MOBIL OIL CORP	JOLIET, IL	960,344
39	MID005358130	TOTAL PETROLEUM INC. ALMA REFINERY	ALMA, MI	937,950
40	MSD096046792	E.I. DUPONT DE NEMOURS & CO.	PASS CHRISTIAN, MS	909,267
41	ALD001221902	CIBA-GEIGY CORPORATION	MCINTOSH, AL	907,441
42	TXD000751172	BP CHEMICALS INCORPORATED	PORT LAVACA, TX	899,885
43	WAD041337130	BOEING - AUBURN	AUBURN, WA	867,048
44	LAD001700756	MONSANTO COMPANY LULING PLANT	LULING, LA	816,789
45	TXD065096273	ROHM AND HASS TEXAS INC.	DEER PARK, TX	811,425
46	TXD981911209	OCCIDENTAL CHEMICAL HOUSTON CHEMICAL COM	DEER PARK, TX	778,880
47	IDD070929518	FMC CORP PHOSPHORUS CHEMICALS GROUP	POCATELLO, ID	775,621
48	PRD090074071	PUERTO RICO SUN OIL CO.	YABUCOA, PR	746,639
49	TXD000461533	UNION CARBIDE CORPORATION	TEXAS CITY, TX	738,634
50	ILD005092572	NALCO CHEMICAL CO	BEDFORD PARK, IL	721,791
		TOTAL		243,181,856

Note: Column may not sum due to rounding.

Exhibit 1.8 Number of Large Quantity Generators by Generator Quantity Range, 1995



As shown in Exhibit 1.8, in 1995 there were 12,631 generators that generated more than 13.2 tons, 6,217 generators that generated between 1.1 and 13.2 tons, and 1,060 generators that generated less than 1.1 tons. Forty percent (40%) of the LQGs (8,011) generated between 13.2 and 113.2 tons, which is the range displayed in Exhibit 1.8 with the highest distribution. The range with the second highest distribution is that between 1.1 and 13.2 tons, with 6,217 generators. Together, these two ranges account for 71% of the total number of LQGs. Although most LQGs generate between 13.2 and 113.2 tons, the fifty largest RCRA hazardous waste generators, listed in Exhibit 1.7, all generate over 111,113.2 tons.

Nationwide, wastewater generation accounted for 96% of the national generation total, while in 1993 wastewater generation accounted for 92% of the national generation total.[1] Exhibit 1.9 presents the quantities of non-wastewater and wastewater generation and their respective percentages, by State. The five (5) States whose LQGs generated the largest amount of hazardous wastewater were Texas (143 million tons), Tennessee (38 million tons), California (17 million tons), Louisiana (15 million tons), and Michigan (12 million tons). The five (5) States whose LQGs generated the largest amount of hazardous non-wastewater were Illinois (3.4 million tons), Texas (1.9 million tons), Louisiana (570 thousand tons), Michigan (530 thousand tons), and Idaho (510 thousand tons).

Most of the waste generated is wastewater, and most of the wastewater is generated by a relatively small number of generators. Exhibit 1.10 shows the 50 largest wastewater generators in the United States. Many of the LQGs in Exhibit 1.10 are also listed in Exhibit 1.7. The wastewater generated by the 50 largest wastewater generators (241 million tons) accounted for 90% of the national total for wastewater generation and 86% of the total national hazardous waste generation.

Overall, total hazardous waste generation increased from 258 million tons in 1993 to 279 million tons in 1995. Wastewater generation also increased from 237 million tons in 1993 to 267 million tons in 1995. In contrast, non-wastewater generation decreased from 22 million tons in 1993 to 13 million tons in 1995.

[1] A waste is considered wastewater if the BRS form code is B101, B102, B105, or B110-116, or the BRS system type code is M071-079, M081-085, M089, M091-094, M099, M121-125, M129, or M134-136. See Appendix A for further information on BRS System Type Codes and Appendix B for further information on BRS Form Codes.

Exhibit 1.9 Quantity of Non-Wastewater, Quantity of Wastewater, and Total Quantity of RCRA Hazardous Waste Generated by State, 1995

STATE	NON-WASTEWATER QUANTITY		WASTEWATER QUANTITY		TOTAL QUANTITY
	TONS GENERATED	PERCENTAGE	TONS GENERATED	PERCENTAGE	
ALABAMA	280,341	21.8	1,005,921	78.2	1,286,262
ALASKA	2,841	82.6	597	17.4	3,438
ARIZONA	41,262	61.7	25,602	38.3	66,865
ARKANSAS	226,204	82.5	47,954	17.5	274,158
CALIFORNIA	408,967	2.4	16,620,506	97.6	17,029,474
COLORADO	106,102	62.6	63,451	37.4	169,554
CONNECTICUT	87,980	28.3	222,845	71.7	310,825
DELAWARE	19,513	29.6	46,508	70.4	66,021
DISTRICT OF COLUMBIA	657	86.0	107	14.0	764
FLORIDA	194,544	34.9	363,579	65.1	558,122
GEORGIA	166,315	36.2	293,228	63.8	459,543
GUAM	285	95.3	14	4.7	299
HAWAII	2,923	0.5	589,977	99.5	592,900
IDAHO	509,688	42.1	700,154	57.9	1,209,841
ILLINOIS	3,399,614	24.5	10,492,802	75.5	13,892,416
INDIANA	507,679	29.3	1,225,517	70.7	1,733,196
IOWA	7,554	65.7	3,952	34.3	11,507
KANSAS	61,496	3.6	1,660,987	96.4	1,722,483
KENTUCKY	203,250	17.7	946,631	82.3	1,149,881
LOUISIANA	565,204	3.7	14,904,450	96.3	15,469,654
MAINE	5,033	25.9	14,426	74.1	19,459
MARYLAND	27,134	6.1	415,692	93.9	442,826
MASSACHUSETTS	324,426	53.5	281,856	46.5	606,282
MICHIGAN	533,008	4.3	11,926,826	95.7	12,459,834
MINNESOTA	181,797	61.9	111,692	38.1	293,489
MISSISSIPPI	39,273	2.5	1,539,988	97.5	1,579,260
MISSOURI	37,422	60.3	24,648	39.7	62,070
MONTANA	5,925	77.6	1,715	22.4	7,640
NAVAJO NATION	169	86.8	26	13.2	195
NEBRASKA	10,969	12.2	78,908	87.8	89,878
NEVADA	3,142	37.6	5,206	62.4	8,348
NEW HAMPSHIRE	15,456	59.4	10,553	40.6	26,009
NEW JERSEY	229,073	52.4	208,129	47.6	437,202
NEW MEXICO	7,350	3.6	197,144	96.4	204,494
NEW YORK	302,986	11.8	2,254,102	88.2	2,557,088
NORTH CAROLINA	77,242	27.0	209,098	73.0	286,339
NORTH DAKOTA	2,066	0.4	518,160	99.6	520,226
OHIO	502,454	28.3	1,272,485	71.7	1,774,939
OKLAHOMA	35,550	6.9	476,368	93.1	511,918
OREGON	46,434	68.1	21,753	31.9	68,187
PENNSYLVANIA	372,617	24.5	1,150,745	75.5	1,523,362
PUERTO RICO	51,146	5.7	841,861	94.3	893,006
RHODE ISLAND	8,250	32.4	17,178	67.6	25,428
SOUTH CAROLINA	22,737	8.7	238,277	91.3	261,015
SOUTH DAKOTA	732	93.8	48	6.2	780
TENNESSEE	319,802	0.8	38,366,820	99.2	38,686,622
TEXAS	1,932,710	1.3	143,140,732	98.7	145,073,442
TRUST TERRITORIES	1,721	14.2	10,433	85.8	12,154
UTAH	36,634	8.8	381,889	91.2	418,523
VERMONT	9,814	83.1	1,997	16.9	11,811
VIRGIN ISLANDS	2,219	66.7	1,110	33.3	3,329
VIRGINIA	80,261	81.3	18,417	18.7	98,678
WASHINGTON	169,484	5.2	3,081,487	94.8	3,250,971
WEST VIRGINIA	114,518	1.3	8,375,310	98.7	8,489,828
WISCONSIN	214,091	52.9	190,568	47.1	404,659
WYOMING	1,542	0.1	1,970,636	99.9	1,972,177
TOTAL	**12,517,606**	**4.5**	**266,571,064**	**95.5**	**279,088,670**

Note: Columns may not sum due to rounding.

Exhibit 1.10 **Fifty Largest RCRA Hazardous Wastewater Generators in the U.S., 1995**

RANK	EPA ID	NAME	CITY	TONS WASTEWATER GENERATED
1	TXD008079642	DUPONT - SABINE RIVER WORKS	ORANGE, TX	57,399,730
2	TND003376928	TENN EASTMAN DIVISION OF EASTMAN CHEMICA	KINGSPORT, TN	37,950,469
3	TXD008080533	AMOCO PETROLEUM PRODUCTS	TEXAS CITY, TX	17,575,026
4	MID000724724	DOW CHEMICAL CO-MIDLAND PLANT SITE	MIDLAND, MI	9,500,546
5	TXD008092793	THE DOW CHEMICAL COMPANY	FREEPORT, TX	9,120,584
6	CAD009164021	SHELL OIL COMPANY	MARTINEZ, CA	8,498,058
7	ILD080012305	SHELL WOOD RIVER REFINING CO	ROXANA, IL	8,349,626
8	TXD980626774	PHILLIPS 66 COMPANY, BORGER COMPLEX REF	BORGER, TX	7,584,774
9	WVD005005509	RHONE-POULENC INSTITUTE PLANT	INSTITUTE, WV	7,446,690
10	TXD067285973	SHELL OIL COMPANY	DEER PARK, TX	6,140,182
11	TXD007330202	TEXAS EASTMAN DIVISION, EASTMAN CHEM CO	LONGVIEW, TX	6,119,999
12	TXD001700806	CHOCOLATE BAYOU / MONSANTO	ALVIN, TX	5,541,991
13	CAD009108705	UNOCAL - SAN FRANCISCO REFINERY	RODEO, CA	4,093,200
14	LAD041581422	UNION CARBIDE CORP. TAFT PLANT	TAFT, LA	3,555,339
15	TXD000782698	EXXON BAYTOWN REFINERY	BAYTOWN, TX	3,317,085
16	TXD051161990	CITGO REFINING AND CHEMICALS CO., L.P.	CORPUS CHRISTI, TX	2,967,655
17	TXD058275769	LYONDELL PETROCHEMICAL COMPANY	CHANNELVIEW, TX	2,873,148
18	TXD008081101	E.I. DUPONT NEMOURS & CO. INC	NEDERLAND, TX	2,447,932
19	TXD083472266	ARCO CHEMICAL COMPANY	CHANNELVIEW, TX	2,258,385
20	TXD008079527	STERLING CHEMICALS, INC.	TEXAS CITY, TX	2,225,754
21	TXD055141378	ROLLINS ENVIRONMENTAL SERVICES (TX) INC.	DEER PARK, TX	2,146,039
22	LAD008187080	DOW CHEMICAL COMPANY LOUISIANA DIVISION	PLAQUEMINE, LA	2,076,408
23	CAD008302903	CHEMICAL WASTE MANAGEMENT-AZUSA FACILITY	AZUSA, CA	1,975,887
24	TXD000017756	DOW CHEMICAL COMPANY - LA PORTE SITE	LA PORTE, TX	1,809,441
25	LAD008175390	CYTEC INDUSTRIES INC.	WAGGAMAN, LA	1,742,901
26	TXD990757486	AIR PRODUCTS, INC.	PASADENA, TX	1,629,607
27	TXD000836486	GREENS BAYOU PLANT/ISK BIOSCIENCES CORP.	HOUSTON, TX	1,522,687
28	KSD007482029	VULCAN MATERIALS COMPANY	WICHITA, KS	1,483,832
29	LAD008213191	RUBICON INC	GEISMAR, LA	1,454,503
30	TXD059685339	MCKEE PLANTS	SUNRAY, TX	1,450,840
31	NYD003930849	DISTILLATION PRODUCTS INDUSTRIES	ROCHESTER, NY	1,396,547
32	WYD079959185	SINCLAIR OIL CORPORATION	SINCLAIR, WY	1,315,096
33	LAD010395127	ROLLINS ENVIRONMENTAL SERVICES (LA) INC.	BATON ROUGE, LA	1,267,206
34	LAD000812818	EXXON CHEMICAL AMERICAS	BATON ROUGE, LA	1,142,404
35	TXD078432457	HOECHST CELANESE CHEMICAL GROUP, LTD.,CL	PASADENA, TX	1,029,403
36	OHD042157644	BP CHEMICALS INC	LIMA, OH	991,819
37	MID005358130	TOTAL PETROLEUM INC. ALMA REFINERY	ALMA, MI	937,777
38	MSD096046792	E.I. DUPONT DE NEMOURS & CO.	PASS CHRISTIAN, MS	909,235
39	TXD000751172	BP CHEMICALS INCORPORATED	PORT LAVACA, TX	888,251
40	ALD001221902	CIBA-GEIGY CORPORATION	MCINTOSH, AL	880,606
41	WAD041337130	BOEING - AUBURN	AUBURN, WA	865,704
42	LAD001700756	MONSANTO COMPANY LULING PLANT	LULING, LA	816,381
43	TXD065096273	ROHM AND HASS TEXAS INC.	DEER PARK, TX	805,181
44	TXD981911209	OCCIDENTAL CHEMICAL HOUSTON CHEMICAL COM	DEER PARK, TX	765,975
45	PRD090074071	PUERTO RICO SUN OIL CO.	YABUCOA, PR	745,221
46	ILD005092572	NALCO CHEMICAL CO	BEDFORD PARK, IL	721,734
47	TXD000461533	UNION CARBIDE CORPORATION	TEXAS CITY, TX	720,196
48	KYD985072008	WESTLAKE MONOMERS CORPORATION	CALVERT CITY, KY	716,212
49	PAD002334753	OCCIDENTAL CHEMICAL CORP	POTTSTOWN, PA	705,341
50	WVD004341491	CYTEC INDUSTRIES	WILLOW ISLAND, WV	696,564
		TOTAL		240,575,172

Note: Column may not sum due to rounding.

Hazardous waste is distinguished according to its designation as a characteristic or listed waste. Characteristic and listed wastes are specifically described in 40 CFR[1] 261, and a list of waste codes is provided as Appendix D of this report.

The term "characteristic waste" refers to any solid waste that exhibits the characteristic of ignitability (D001), corrosivity (D002), reactivity (D003), or that contains toxic constituents in excess of federal standards (D004 to D043).

An ignitable waste is a solid waste that exhibits any of the following properties:

- A liquid, except aqueous solutions containing less than 24 percent alcohol, with a flash point less than 60 degrees Celsius (140 degrees Fahrenheit).
- A nonliquid capable, under normal conditions, of spontaneous and sustained combustion.
- An ignitable compressed gas as defined by Department of Transportation (DOT) regulations.
- An oxidizer per DOT regulations.

A corrosive waste is a solid waste that exhibits the following properties:

- An aqueous material with pH less than or equal to 2 or greater than or equal to 12.5.
- A liquid that corrodes steel at a rate greater than 1/4 inch per year at a temperature of 55 degrees Celsius (130 degrees Fahrenheit).

A reactive waste is a solid waste that exhibits the following properties:

- Normally unstable and reacts violently without detonating.
- Reacts violently with water.
- Forms an explosive mixture with water.
- Contains cyanide or sulfide and generates toxic gases, vapors, or fumes at a pH of between 2 and 12.5.

[1]Code of Federal Regulations.

- Capable of detonation if heated under confinement or subjected to strong initiating source.
- Capable of detonation at standard temperature and pressure.
- Listed by DOT as Class A or B explosive.

Wastes with the toxicity characteristic are identified through failure of the Toxicity Characteristic Leaching Procedure Test (TCLP). A solid waste exhibits the toxicity characteristic if, using the TCLP or an equivalent method, the extract from a representative sample of the waste contains any of the contaminants D004 to D043 at a concentration equal to or greater than the value described in 40 CFR 261.24.

The term "listed waste" (F, K, P, and U codes) refers to waste that EPA has identified as hazardous as a result of its investigations of particular industries or because EPA has specifically recognized a commercial chemical waste's toxicity. A solid waste is a "listed" hazardous waste if it is named on one of three lists developed by EPA:

1) Non-specific source wastes ('F' wastes)--These are generic wastes, commonly produced by manufacturing and industrial processes. Examples from this list include spent halogenated solvents used in degreasing and wastewater treatment sludge from electroplating processes as well as dioxin wastes, most of which are acutely hazardous wastes due to the danger they present to human health and the environment.

2) Specific source wastes ('K' wastes)--This list consists of wastes from specifically identified industries such as wood preserving, petroleum refining, and organic chemical manufacturing. These wastes typically include sludges, still bottoms, wastewaters, spent catalysts, and residues, (e.g., wastewater treatment sludge from pigment production).

3) Commercial chemical products ('P' and 'U' wastes)--The third list consists of specific commercial chemical products, or manufacturing chemical intermediates. This list includes chemicals such as chloroform and creosote, acids such as sulfuric acid and hydrochloric acid, and pesticides such as DDT and kepone. The 'U' wastes include toxic chemicals while 'P' waste listings are reserved for acutely toxic chemicals.

Exhibit 1.11, 1.12, and 1.13 show the portions of the national generation total of 279 million tons that were characteristic, listed, or a mixture of characteristic and listed wastes. Characteristic wastes account for 66% (185 million tons) of the national total, listed wastes account for 23% (64 million tons), and mixtures of the two account for 11% (30 million tons). Listed only waste has increased 14% since 1993, and wastes described as characteristic only have increased by 3.5%. However, wastes that are mixtures of characteristic and listed wastes have decreased by almost 18%.

It is important to note changes with respect to the wastes that were newly regulated by the Toxicity Characteristic (TC) Rule promulgated in 1990. As shown in Exhibit 1.12, 76 million tons of waste were identified by these 25 new waste codes (D018 to D043), indicating that, at a minimum, the TC Rule captured 76 million tons of wastes not regulated prior to 1991. Exhibit 1.13 shows an additional 20 million tons of waste described by D018 to D043 and other characteristic codes. Another 16 million tons were described by D018 to D043 and other listed waste codes. While it is not possible to calculate exactly the amount of waste newly regulated by the TC Rule and the amount regulated prior to 1990, as much as 113 million tons may have been captured in 1995 by new toxicity characteristic waste listings. In contrast, the 1993 data reported as much as 135 million tons of waste not regulated before 1990.

In conclusion, the amount of hazardous waste generated in 1995 was between 166 and 203 million tons without these newly regulated TC wastes. This compares to a total of 198 million tons generated in 1989 before promulgation of the TC Rule.

Exhibit 1.11 **Percentages of National Generation Total that were Characteristic, Listed, or Both Characteristic and Listed Waste, 1995**

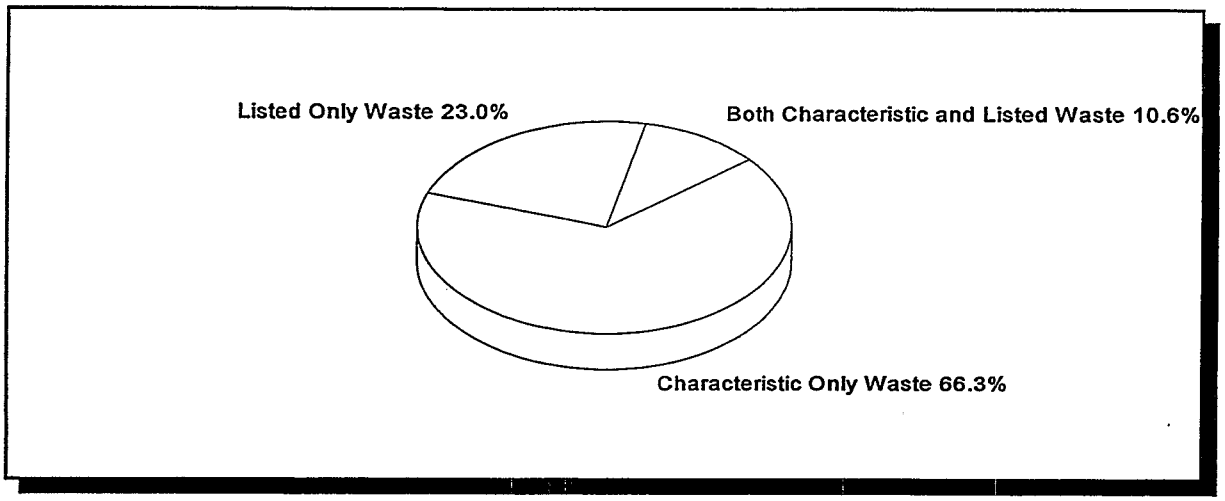


Exhibit 1.12 **Tons of Generated Waste that were Only Characteristic Waste, Only Listed Waste, or Both Characteristic and Listed Waste, 1995**

ONLY CHARACTERISTIC WASTES		ONLY LISTED WASTES		BOTH A CHARACTERISTIC AND A LISTED WASTE	
ONLY IGNITABLE	873,688	ONLY AN F CODE	47,452,321		
ONLY CORROSIVE	76,111,233	ONLY A K CODE	6,688,313		
ONLY REACTIVE	633,417	ONLY A P CODE	119,788		
ONLY D004-17	7,295,759	ONLY A U CODE	2,295,707		
ONLY D018-43	76,339,895				
HAS MORE THAN ONE CHARACTERISTIC CODE	23,902,568	HAS MORE THAN ONE LISTED CODE	7,734,241		
TOTAL	185,156,560	TOTAL	64,290,370	TOTAL CHAR AND LISTED	29,637,491

Note: All quantities are in tons.

Exhibit 1.13 **Tons of Generated Wastes with Multiple Characteristics, that were Multiply Listed, or Both, 1995**

ONLY CHARACTERISTIC WASTES BUT WITH MULTIPLE CHARACTERISTICS		ONLY LISTED WASTES BUT MULTIPLY LISTED		BOTH CHARACTERISTIC AND LISTED WASTES[1]	
HAS IGNITABLE CODE	10,699,795			IGN. W/ AT LEAST 1 LSTD	5,694,220
HAS CORROSIVE CODE	17,249,272			CORR. W/ AT LEAST 1 LSTD	20,459,853
HAS REACTIVE CODE	8,287,831			REACT. W/ AT LEAST 1 LSTD	4,844,307
HAS D004-D017 CODE	5,650,390			D004-17 W/ AT LEAST 1 LSTD	12,090,314
HAS D018-D043 CODE	20,427,308			D018-43 W/ AT LEAST 1 LSTD	16,193,175
		HAS AN F CODE	7,410,874	F WASTE W/ AT LEAST 1 CHAR	24,783,809
		HAS A K CODE	6,218,650	K WASTE W/ AT LEAST 1 CHAR	22,499,454
		HAS A P CODE	497,712	P WASTE W/ AT LEAST 1 CHAR	5,694,561
		HAS A U CODE	1,978,125	U WASTE W/ AT LEAST 1 CHAR	20,768,028
TOTAL	**23,902,568**	**TOTAL**	**7,734,241**	**TOTAL**	**29,637,491**

[1] Listed wastes with ignitable, corrosive, reactive, D004-17(Toxic), or D018-43(Toxic) characteristics respectively may have other characteristics as well. Similarly, characteristic wastes that are also F, K, P, or U listed wastes respectively may be other listed wastes as well.

Note: All quantities are in tons.
Columns do not sum to total because wastes may be included in more than one category.

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2.0 WASTE MANAGEMENT

This section presents a series of exhibits describing the management of RCRA hazardous waste. For a complete description of what is included in this report, please see the Executive Summary sections "RCRA Hazardous Waste" and "RCRA Hazardous Waste Management."

Nationwide, a total of 1,787 facilities reported that they managed 277 million tons of hazardous waste in treatment, storage, or disposal (TSD) units subject to RCRA permitting standards. Storage facilities account for 1,032 of these facilities, leaving 755 facilities that treated or disposed of 277 million tons of hazardous waste. This represents a 797 facility decrease in the total number of TSDs from 1993, and a 42 million ton increase from 1993 quantities.

Exhibits 2.1, 2.2, and 2.3 present the quantity of RCRA hazardous waste managed and the number of TSDs in each EPA Region[1] in 1995. TSDs located in three (3) Regions accounted for 88% of the national total for waste management. These three (3) Regions were Region 6 (180 million tons), Region 4 (42 million tons), and Region 5 (20 million tons).

The EPA Regions where the largest amount of hazardous waste was managed also had the largest number of TSDs. The three (3) Regions with the largest number of TSDs were Region 5 (409 TSDs), Region 4 (335 TSDs), and Region 6 (236 TSDs). Collectively the TSDs in these three (3) Regions accounted for 55% of the total number of TSDs nationwide.

In summary, the TSDs in Region 6 managed the largest amount of waste (180 million tons, or 65% of the national total), while the Region ranked third in the number of TSDs (236). Region 5 had the highest number of TSDs (409), and the TSDs in Region 5 ranked third in the amount of waste managed (20 million tons, or 7% of the national total). Region 10 had the fewest number of TSDs (33), and the TSDs in Region 1 managed the least waste (195 thousand tons).

[1]See Appendix C for information on which States are in each EPA Region.

Exhibit 2.1 **Number and Percentage of RCRA TSD Facilities and Total RCRA Hazardous Waste Quantity Managed, by EPA Region, 1995**

EPA REGION	HAZARDOUS WASTE QUANTITY[1]		TSD FACILITIES	
	TONS MANAGED	PERCENTAGE	NUMBER	PERCENTAGE
1	195,059	0.1	136	7.6
2	1,450,044	0.5	131	7.3
3	10,042,910	3.6	152	8.5
4	42,405,865	15.3	335	18.7
5	20,222,157	7.3	409	22.9
6	180,259,094	65.0	236	13.2
7	1,874,864	0.7	92	5.1
8	3,063,223	1.1	77	4.3
9	16,284,375	5.9	186	10.4
10	1,519,349	0.5	33	1.8
TOTAL	**277,316,939**	**100.0**	**1,787**	**100.0**

Exhibit 2.2 **Number and Percentage of RCRA TSD Facilities and Total RCRA Hazardous Waste Quantity Managed, by Management Quantity, 1995**

EPA REGION	HAZARDOUS WASTE QUANTITY[1]		TSD FACILITIES	
	TONS MANAGED	PERCENTAGE	NUMBER	PERCENTAGE
6	180,259,094	65.0	236	13.2
4	42,405,865	15.3	335	18.7
5	20,222,157	7.3	409	22.9
9	16,284,375	5.9	186	10.4
3	10,042,910	3.6	152	8.5
8	3,063,223	1.1	77	4.3
7	1,874,864	0.7	92	5.1
10	1,519,349	0.5	33	1.8
2	1,450,044	0.5	131	7.3
1	195,059	0.1	136	7.6
TOTAL	**277,316,939**	**100.0**	**1,787**	**100.0**

[1]Quantity managed only by storage is excluded.

Note: Columns may not sum due to rounding.

Exhibit 2.3 **Number and Percentage of RCRA TSD Facilities and Total RCRA Hazardous Waste Quantity Managed in Each EPA Region, by Highest Number of TSD Facilities, 1995**

EPA REGION	TSD FACILITIES		HAZARDOUS WASTE QUANTITY[1]	
	NUMBER	PERCENTAGE	TONS MANAGED	PERCENTAGE
5	409	22.9	20,222,157	7.3
4	335	18.7	42,405,865	15.3
6	236	13.2	180,259,094	65.0
9	186	10.4	16,284,375	5.9
3	152	8.5	10,042,910	3.6
1	136	7.6	195,059	0.1
2	131	7.3	1,450,044	0.5
7	92	5.1	1,874,864	0.7
8	77	4.3	3,063,223	1.1
10	33	1.8	1,519,349	0.5
TOTAL	**1,787**	**100.0**	**277,316,939**	**100.0**

[1]Quantity managed only by storage is excluded.

Note: Columns may not sum due to rounding.

Exhibits 2.4, 2.5, and 2.6 present the quantity of RCRA hazardous waste managed and the number of TSDs in each State. The four (4) States with the largest amount of hazardous waste generation were also the four (4) States with the largest amount of hazardous waste management. TSDs in Texas managed the largest amount of waste (165 million tons), followed by Tennessee (39 million tons), California (16 million tons), Louisiana (14 million tons), and Michigan (14 million tons). Together the TSDs in these States accounted for 89% of the national management total.

California reported the most TSDs (137), followed by Michigan (107), Illinois (106), Texas (80), and Indiana (75). Together these States accounted for 28% of the total number of TSDs. There were no facilities in the District of Columbia, Guam, New Hampshire, and the Trust Territories that reported treating or disposing waste in units subject to RCRA permitting standards, although these States did have facilities that reported operating permitted storage facilities. There were no facilities in the Navajo Nation and Washington that reported treating, disposing, or storing waste in units subject to RCRA permitting standards.

Exhibit 2.7 presents the 50 largest RCRA hazardous waste management facilities in the United States. Together, these TSDs accounted for more than 93% of the national management total. DuPont - Sabine River Works in Orange, TX, which was the largest generator, was also the largest TSD (managing 58 million tons of waste), followed by Tennessee Eastman in Kingsport, TN (38 million tons) and Amoco Petroleum Products in Texas City, TX (18 million tons).

Large TSDs within the four (4) largest States (Texas, Tennessee, California, and Louisiana) accounted for the majority of the States' management totals. A total of 23 of the 50 largest TSDs were in Texas. These 23 TSDs accounted for 98% of Texas' total hazardous waste management. One (1) Tennessee TSD, Tennessee Eastman Co., accounted for 99% of Tennessee's total. Three (3) California TSDs accounted for 85% of the State's total. In Louisiana, six (6) TSDs accounted for 85% of the State's total.

Nationwide, wastewater management accounted for 97% of the national management total, while in 1993 wastewater management accounted for 94% of the

national management total.[1] Exhibit 2.8 presents the quantities of non-wastewater and wastewater management and their respective percentages, by State. The five (5) States whose TSDs managed the largest amount of hazardous wastewater were Texas (163 million tons), Tennessee (38 million tons), California (16 million tons), Louisiana (14 million tons), and Michigan (13 million tons). The five (5) States whose TSDs managed the largest amount of hazardous non-wastewater were Texas (1.8 million tons), Indiana (690 thousand tons), Michigan (600 thousand tons), Idaho (540 thousand tons), and Louisiana (520 thousand tons).

Most of the waste managed nationally is wastewater, and most of the wastewater is managed by a relatively small number of TSDs. Exhibit 2.9 shows the 50 largest wastewater managers in the United States. Many of the TSDs in Exhibit 2.9 are also listed in Exhibit 2.7. The wastewater managed by the 50 largest wastewater managers (256 million tons) accounted for 95% of the national total for wastewater management and 92% of the total national hazardous waste management.

Overall, total hazardous waste management increased from 235 million tons in 1993 to 277 million tons in 1995. Wastewater management also increased from 220 million tons in 1993 to 270 million tons in 1995. In contrast, non-wastewater management decreased from 14 million tons in 1993 to 7.8 million tons in 1995.

[1] A waste is considered wastewater if the BRS form code is B101, B102, B105, or B110-116, or the BRS system type code is M071-079, M081-085, M089, M091-094, M099, M121-125, M129, or M134-136. See Appendix A for further information on BRS System Type Codes and Appendix B for further information on BRS Form Codes.

Exhibit 2.4 **Quantity of RCRA Hazardous Waste Managed and Number of RCRA TSD Facilities, by State, 1995**

STATE	HAZARDOUS WASTE QUANTITY[1]			TSD FACILITIES		
	RANK	TONS MANAGED	PERCENTAGE	RANK	NUMBER	PERCENTAGE
ALABAMA	14	1,259,180	0.5	16	46	2.6
ALASKA	31	141,614	0.1	38	12	0.7
ARIZONA	40	11,029	0.0	27	26	1.5
ARKANSAS	22	256,809	0.1	20	37	2.1
CALIFORNIA	3	16,224,855	5.9	1	137	7.7
COLORADO	26	191,047	0.1	21	36	2.0
CONNECTICUT	30	154,729	0.1	17	43	2.4
DELAWARE	44	1,812	0.0	47	5	0.3
DISTRICT OF COLUMBIA	52	0	0.0	52	1	0.1
FLORIDA	29	161,763	0.1	11	55	3.1
GEORGIA	21	348,359	0.1	12	51	2.9
GUAM	51	0	0.0	50	2	0.1
HAWAII	48	476	0.0	46	6	0.3
IDAHO	15	1,240,434	0.4	40	10	0.6
ILLINOIS	7	3,274,425	1.2	3	106	5.9
INDIANA	10	1,486,261	0.5	5	75	4.2
IOWA	43	4,196	0.0	44	7	0.4
KANSAS	9	1,761,658	0.6	14	50	2.8
KENTUCKY	33	123,709	0.0	19	40	2.2
LOUISIANA	4	14,498,887	5.2	6	74	4.1
MAINE	45	1,780	0.0	32	18	1.0
MARYLAND	28	184,605	0.1	29	20	1.1
MASSACHUSETTS	41	7,288	0.0	12	51	2.9
MICHIGAN	5	13,834,017	5.0	2	107	6.0
MINNESOTA	23	245,001	0.1	18	42	2.4
MISSISSIPPI	11	1,446,886	0.5	31	19	1.1
MISSOURI	39	15,129	0.0	26	27	1.5
MONTANA	47	1,283	0.0	42	8	0.4
NAVAJO NATION	52	0	0.0	55	0	0.0
NEBRASKA	34	93,880	0.0	42	8	0.4
NEVADA	37	48,015	0.0	36	13	0.7
NEW HAMPSHIRE	52	0	0.0	52	1	0.1
NEW JERSEY	35	65,064	0.0	15	47	2.6
NEW MEXICO	27	188,444	0.1	35	14	0.8
NEW YORK	18	548,455	0.2	9	66	3.7
NORTH CAROLINA	24	199,439	0.1	7	69	3.9
NORTH DAKOTA	19	518,043	0.2	44	7	0.4
OHIO	13	1,377,294	0.5	10	59	3.3
OKLAHOMA	17	563,381	0.2	22	31	1.7
OREGON	32	137,302	0.0	39	11	0.6
PENNSYLVANIA	12	1,409,381	0.5	8	67	3.7
PUERTO RICO	16	836,505	0.3	34	17	1.0
RHODE ISLAND	38	29,806	0.0	40	10	0.6
SOUTH CAROLINA	25	191,309	0.1	27	26	1.5
SOUTH DAKOTA	50	1	0.0	49	3	0.2
TENNESSEE	2	38,675,221	13.9	24	29	1.6
TEXAS	1	164,751,573	59.4	4	80	4.5
TRUST TERRITORIES	52	0	0.0	50	2	0.1
UTAH	20	382,397	0.1	32	18	1.0
VERMONT	46	1,455	0.0	36	13	0.7
VIRGIN ISLANDS	49	20	0.0	52	1	0.1
VIRGINIA	36	51,995	0.0	22	31	1.7
WASHINGTON	52	0	0.0	55	0	0.0
WEST VIRGINIA	6	8,395,116	3.0	25	28	1.6
WISCONSIN	42	5,159	0.0	29	20	1.1
WYOMING	8	1,970,452	0.7	47	5	0.3
TOTAL		277,316,939	100.0		1,787	100.0

[1]Quantity managed only by storage is excluded.

Note: Columns may not sum due to rounding.

Exhibit 2.5 **Rank Ordering of States Based on Quantity of RCRA Hazardous Waste Managed and Number of RCRA TSD Facilities, 1995**

STATE	HAZARDOUS WASTE QUANTITY[1]			TSD FACILITIES		
	RANK	TONS MANAGED	PERCENTAGE	RANK	NUMBER	PERCENTAGE
TEXAS	1	164,751,573	59.4	4	80	4.5
TENNESSEE	2	38,675,221	13.9	24	29	1.6
CALIFORNIA	3	16,224,855	5.9	1	137	7.7
LOUISIANA	4	14,498,887	5.2	6	74	4.1
MICHIGAN	5	13,834,017	5.0	2	107	6.0
WEST VIRGINIA	6	8,395,116	3.0	25	28	1.6
ILLINOIS	7	3,274,425	1.2	3	106	5.9
WYOMING	8	1,970,452	0.7	47	5	0.3
KANSAS	9	1,761,658	0.6	14	50	2.8
INDIANA	10	1,486,261	0.5	5	75	4.2
MISSISSIPPI	11	1,446,886	0.5	31	19	1.1
PENNSYLVANIA	12	1,409,381	0.5	8	67	3.7
OHIO	13	1,377,294	0.5	10	59	3.3
ALABAMA	14	1,259,180	0.5	16	46	2.6
IDAHO	15	1,240,434	0.4	40	10	0.6
PUERTO RICO	16	836,505	0.3	34	17	1.0
OKLAHOMA	17	563,381	0.2	22	31	1.7
NEW YORK	18	548,455	0.2	9	66	3.7
NORTH DAKOTA	19	518,043	0.2	44	7	0.4
UTAH	20	382,397	0.1	32	18	1.0
GEORGIA	21	348,359	0.1	12	51	2.9
ARKANSAS	22	256,809	0.1	20	37	2.1
MINNESOTA	23	245,001	0.1	18	42	2.4
NORTH CAROLINA	24	199,439	0.1	7	69	3.9
SOUTH CAROLINA	25	191,309	0.1	27	26	1.5
COLORADO	26	191,047	0.1	21	36	2.0
NEW MEXICO	27	188,444	0.1	35	14	0.8
MARYLAND	28	184,605	0.1	29	20	1.1
FLORIDA	29	161,763	0.1	11	55	3.1
CONNECTICUT	30	154,729	0.1	17	43	2.4
ALASKA	31	141,614	0.1	38	12	0.7
OREGON	32	137,302	0.0	39	11	0.6
KENTUCKY	33	123,709	0.0	19	40	2.2
NEBRASKA	34	93,880	0.0	42	8	0.4
NEW JERSEY	35	65,064	0.0	15	47	2.6
VIRGINIA	36	51,995	0.0	22	31	1.7
NEVADA	37	48,015	0.0	36	13	0.7
RHODE ISLAND	38	29,806	0.0	40	10	0.6
MISSOURI	39	15,129	0.0	26	27	1.5
ARIZONA	40	11,029	0.0	27	26	1.5
MASSACHUSETTS	41	7,288	0.0	12	51	2.9
WISCONSIN	42	5,159	0.0	29	20	1.1
IOWA	43	4,196	0.0	44	7	0.4
DELAWARE	44	1,812	0.0	47	5	0.3
MAINE	45	1,780	0.0	32	18	1.0
VERMONT	46	1,455	0.0	36	13	0.7
MONTANA	47	1,283	0.0	42	8	0.4
HAWAII	48	476	0.0	46	6	0.3
VIRGIN ISLANDS	49	20	0.0	52	1	0.1
SOUTH DAKOTA	50	1	0.0	49	3	0.2
GUAM	51	0	0.0	50	2	0.1
DISTRICT OF COLUMBIA	52	0	0.0	52	1	0.1
NAVAJO NATION	52	0	0.0	55	0	0.0
NEW HAMPSHIRE	52	0	0.0	52	1	0.1
TRUST TERRITORIES	52	0	0.0	50	2	0.1
WASHINGTON	52	0	0.0	55	0	0.0
TOTAL		277,316,939	100.0		1,787	100.0

[1]Quantity managed only by storage is excluded.

Note: Columns may not sum due to rounding.

Exhibit 2.6 **Rank Ordering of States Based on Number of RCRA TSD Facilities and Quantity of RCRA Hazardous Waste Managed, 1995**

STATE	TSD FACILITIES			HAZARDOUS WASTE QUANTITY[1]		
	RANK	NUMBER	PERCENTAGE	RANK	TONS MANAGED	PERCENTAGE
CALIFORNIA	1	137	7.7	3	16,224,855	5.9
MICHIGAN	2	107	6.0	5	13,834,017	5.0
ILLINOIS	3	106	5.9	7	3,274,425	1.2
TEXAS	4	80	4.5	1	164,751,573	59.4
INDIANA	5	75	4.2	10	1,486,261	0.5
LOUISIANA	6	74	4.1	4	14,498,887	5.2
NORTH CAROLINA	7	69	3.9	24	199,439	0.1
PENNSYLVANIA	8	67	3.7	12	1,409,381	0.5
NEW YORK	9	66	3.7	18	548,455	0.2
OHIO	10	59	3.3	13	1,377,294	0.5
FLORIDA	11	55	3.1	29	161,763	0.1
GEORGIA	12	51	2.9	21	348,359	0.1
MASSACHUSETTS	12	51	2.9	41	7,288	0.0
KANSAS	14	50	2.8	9	1,761,658	0.6
NEW JERSEY	15	47	2.6	35	65,064	0.0
ALABAMA	16	46	2.6	14	1,259,180	0.5
CONNECTICUT	17	43	2.4	30	154,729	0.1
MINNESOTA	18	42	2.4	23	245,001	0.1
KENTUCKY	19	40	2.2	33	123,709	0.0
ARKANSAS	20	37	2.1	22	256,809	0.1
COLORADO	21	36	2.0	26	191,047	0.1
OKLAHOMA	22	31	1.7	17	563,381	0.2
VIRGINIA	22	31	1.7	36	51,995	0.0
TENNESSEE	24	29	1.6	2	38,675,221	13.9
WEST VIRGINIA	25	28	1.6	6	8,395,116	3.0
MISSOURI	26	27	1.5	39	15,129	0.0
ARIZONA	27	26	1.5	40	11,029	0.0
SOUTH CAROLINA	27	26	1.5	25	191,309	0.1
MARYLAND	29	20	1.1	28	184,605	0.1
WISCONSIN	29	20	1.1	42	5,159	0.0
MISSISSIPPI	31	19	1.1	11	1,446,886	0.5
MAINE	32	18	1.0	45	1,780	0.0
UTAH	32	18	1.0	20	382,397	0.1
PUERTO RICO	34	17	1.0	16	836,505	0.3
NEW MEXICO	35	14	0.8	27	188,444	0.1
NEVADA	36	13	0.7	37	48,015	0.0
VERMONT	36	13	0.7	46	1,455	0.0
ALASKA	38	12	0.7	31	141,614	0.1
OREGON	39	11	0.6	32	137,302	0.0
IDAHO	40	10	0.6	15	1,240,434	0.4
RHODE ISLAND	40	10	0.6	38	29,806	0.0
MONTANA	42	8	0.4	47	1,283	0.0
NEBRASKA	42	8	0.4	34	93,880	0.0
IOWA	44	7	0.4	43	4,196	0.0
NORTH DAKOTA	44	7	0.4	19	518,043	0.2
HAWAII	46	6	0.3	48	476	0.0
DELAWARE	47	5	0.3	44	1,812	0.0
WYOMING	47	5	0.3	8	1,970,452	0.7
SOUTH DAKOTA	49	3	0.2	50	1	0.0
GUAM	50	2	0.1	51	0	0.0
TRUST TERRITORIES	50	2	0.1	52	0	0.0
DISTRICT OF COLUMBIA	52	1	0.1	52	0	0.0
NEW HAMPSHIRE	52	1	0.1	52	0	0.0
VIRGIN ISLANDS	52	1	0.1	49	20	0.0
NAVAJO NATION	55	0	0.0	52	0	0.0
WASHINGTON	55	0	0.0	52	0	0.0
TOTAL		1,787	100.0		277,316,939	100.0

[1]Quantity managed only by storage is excluded.

Note: Columns may not sum due to rounding.

Exhibit 2.7 **Fifty Largest RCRA Hazardous Waste Managers in the U.S., 1995**

RANK	EPA ID	NAME	CITY	TONS MANAGED[1]
1	TXD008079642	DUPONT - SABINE RIVER WORKS	ORANGE, TX	57,526,578
2	TND003376928	TENN EASTMAN DIVISION OF EASTMAN CHEMICA	KINGSPORT, TN	38,173,230
3	TXD008080533	AMOCO PETROLEUM PRODUCTS	TEXAS CITY, TX	18,036,294
4	TXD067285973	SHELL OIL COMPANY	DEER PARK, TX	12,288,866
5	TXD058275769	LYONDELL PETROCHEMICAL COMPANY	CHANNELVIEW, TX	11,217,863
6	MID000724724	DOW CHEMICAL CO-MIDLAND PLANT SITE	MIDLAND, MI	10,949,187
7	TXD008092793	THE DOW CHEMICAL COMPANY	FREEPORT, TX	9,327,546
8	CAD009164021	SHELL OIL COMPANY	MARTINEZ, CA	8,504,969
9	TXD007330202	TEXAS EASTMAN DIVISION, EASTMAN CHEM CO	LONGVIEW, TX	7,971,730
10	TXD001700806	CHOCOLATE BAYOU / MONSANTO	ALVIN, TX	7,634,362
11	TXD980626774	PHILLIPS 66 COMPANY, BORGER COMPLEX REF	BORGER, TX	7,580,113
12	WVD005005509	RHONE-POULENC INSTITUTE PLANT	INSTITUTE, WV	7,463,796
13	TXD008079527	STERLING CHEMICALS, INC.	TEXAS CITY, TX	5,593,331
14	CAD009108705	UNOCAL - SAN FRANCISCO REFINERY	RODEO, CA	4,098,659
15	LAD041581422	UNION CARBIDE CORP. TAFT PLANT	TAFT, LA	3,563,283
16	LAD008175390	CYTEC INDUSTRIES INC.	WAGGAMAN, LA	3,485,802
17	TXD000782698	EXXON BAYTOWN REFINERY	BAYTOWN, TX	3,412,521
18	TXD065096273	ROHM AND HASS TEXAS INC.	DEER PARK, TX	2,802,068
19	ILD080012305	SHELL WOOD RIVER REFINING CO	ROXANA, IL	2,746,874
20	TXD083472266	ARCO CHEMICAL COMPANY	CHANNELVIEW, TX	2,639,638
21	TXD008081101	E.I. DUPONT NEMOURS & CO. INC	NEDERLAND, TX	2,449,909
22	TXD055141378	ROLLINS ENVIRONMENTAL SERVICES (TX) INC.	DEER PARK, TX	2,289,944
23	LAD008187080	DOW CHEMICAL COMPANY LOUISIANA DIVISION	PLAQUEMINE, LA	2,116,213
24	TXD000017756	DOW CHEMICAL COMPANY - LA PORTE SITE	LA PORTE, TX	1,813,544
25	KSD007482029	VULCAN MATERIALS COMPANY	WICHITA, KS	1,634,328
26	TXD000836486	GREENS BAYOU PLANT/ISK BIOSCIENCES CORP.	HOUSTON, TX	1,504,627
27	TXD000461533	UNION CARBIDE CORPORATION	TEXAS CITY, TX	1,455,723
28	TXD059685339	MCKEE PLANTS	SUNRAY, TX	1,450,786
29	WYD079959185	SINCLAIR OIL CORPORATION	SINCLAIR, WY	1,315,096
30	LAD010395127	ROLLINS ENVIRONMENTAL SERVICES (LA) INC.	BATON ROUGE, LA	1,301,012
31	CAD008302903	CHEMICAL WASTE MANAGEMENT-AZUSA FACILITY	AZUSA, CA	1,113,922
32	TXD078432457	HOECHST CELANESE CHEMICAL GROUP, LTD.,CL	PASADENA, TX	1,044,163
33	LAD001890367	E.I. DUPONT DE NEMOURS & CO., INC.	LAPLACE, LA	1,005,850
34	OHD042157644	BP CHEMICALS INC	LIMA, OH	992,634
35	MID005358130	TOTAL PETROLEUM INC. ALMA REFINERY	ALMA, MI	937,562
36	MSD096046792	E.I. DUPONT DE NEMOURS & CO.	PASS CHRISTIAN, MS	909,502
37	ALD001221902	CIBA-GEIGY CORPORATION	MCINTOSH, AL	901,713
38	TXD000751172	BP CHEMICALS INCORPORATED	PORT LAVACA, TX	899,150
39	TXD008099079	RHONE - POULENC, INC.	HOUSTON, TX	827,675
40	LAD001700756	MONSANTO COMPANY LULING PLANT	LULING, LA	816,339
41	IDD070929518	FMC CORP PHOSPHORUS CHEMICALS GROUP	POCATELLO, ID	775,575
42	PRD090074071	PUERTO RICO SUN OIL CO.	YABUCOA, PR	746,144
43	TXD000838896	CHEMICAL WASTE MGT. INC.	PORT ARTHUR, TX	724,837
44	WVD004341491	CYTEC INDUSTRIES	WILLOW ISLAND, WV	714,080
45	PAD002334753	OCCIDENTAL CHEMICAL CORP	POTTSTOWN, PA	705,340
46	MID082767591	QUANEX CORPORATION, MI SEAMLESS	SOUTH LYON, MI	655,963
47	WYD048743009	LITTLE AMERICA REFINING CO	CASPER, WY	655,356
48	TXD041470543	INTERNATIONAL BUSINESS MACHINES CORP	AUSTIN, TX	639,744
49	NDD006175467	AMOCO OIL COMPANY - MANDAN REFINERY	MANDAN, ND	518,030
50	MSD008186587	MORTON INTERNATIONAL, INC.	MOSS POINT, MS	502,311
		TOTAL		258,433,782

[1]Quantity managed only by storage is excluded.

Note: Columns may not sum due to rounding.

Exhibit 2.8 **Quantity of Non-Wastewater, Quantity of Wastewater, and Total Quantity of RCRA Hazardous Waste Managed, by State, 1995**

STATE	NON-WASTEWATER QUANTITY[1]		WASTEWATER QUANTITY[1]		TOTAL QUANTITY[1]
	TONS MANAGED	PERCENTAGE	TONS MANAGED	PERCENTAGE	
ALABAMA	309,674	24.6	949,506	75.4	1,259,180
ALASKA	5	0.0	141,610	100.0	141,614
ARIZONA	2,409	21.8	8,619	78.2	11,029
ARKANSAS	221,522	86.3	35,288	13.7	256,809
CALIFORNIA	225,320	1.4	15,999,534	98.6	16,224,855
COLORADO	102,522	53.7	88,525	46.3	191,047
CONNECTICUT	26,414	17.1	128,314	82.9	154,729
DELAWARE	1,801	99.4	12	0.6	1,812
DISTRICT OF COLUMBIA	0	0.0	0	0.0	0
FLORIDA	27,318	16.9	134,445	83.1	161,763
GEORGIA	73,428	21.1	274,930	78.9	348,359
GUAM	0	0.0	0	100.0	0
HAWAII	476	100.0	0	0.0	476
IDAHO	539,567	43.5	700,867	56.5	1,240,434
ILLINOIS	340,869	10.4	2,933,556	89.6	3,274,425
INDIANA	691,143	46.5	795,119	53.5	1,486,261
IOWA	0	0.0	4,196	100.0	4,196
KANSAS	104,155	5.9	1,657,503	94.1	1,761,658
KENTUCKY	117,312	94.8	6,397	5.2	123,709
LOUISIANA	519,774	3.6	13,979,113	96.4	14,498,887
MAINE	361	20.3	1,419	79.7	1,780
MARYLAND	2,608	1.4	181,997	98.6	184,605
MASSACHUSETTS	5,439	74.6	1,849	25.4	7,288
MICHIGAN	602,514	4.4	13,231,503	95.6	13,834,017
MINNESOTA	94,729	38.7	150,272	61.3	245,001
MISSISSIPPI	23,877	1.7	1,423,010	98.3	1,446,886
MISSOURI	8,582	56.7	6,547	43.3	15,129
MONTANA	309	24.1	975	75.9	1,283
NAVAJO NATION	0	0.0	0	0.0	0
NEBRASKA	15,956	17.0	77,924	83.0	93,880
NEVADA	363	0.8	47,653	99.2	48,015
NEW HAMPSHIRE	0	0.0	0	0.0	0
NEW JERSEY	35,651	54.8	29,413	45.2	65,064
NEW MEXICO	6	0.0	188,438	100.0	188,444
NEW YORK	322,415	58.8	226,040	41.2	548,455
NORTH CAROLINA	22,132	11.1	177,306	88.9	199,439
NORTH DAKOTA	13	0.0	518,030	100.0	518,043
OHIO	243,150	17.7	1,134,144	82.3	1,377,294
OKLAHOMA	131,435	23.3	431,945	76.7	563,381
OREGON	131,843	96.0	5,459	4.0	137,302
PENNSYLVANIA	315,023	22.4	1,094,358	77.6	1,409,381
PUERTO RICO	40,384	4.8	796,121	95.2	836,505
RHODE ISLAND	16,058	53.9	13,748	46.1	29,806
SOUTH CAROLINA	180,290	94.2	11,018	5.8	191,309
SOUTH DAKOTA	1	100.0	0	0.0	1
TENNESSEE	307,666	0.8	38,367,555	99.2	38,675,221
TEXAS	1,814,151	1.1	162,937,422	98.9	164,751,573
TRUST TERRITORIES	0	0.0	0	0.0	0
UTAH	19,596	5.1	362,801	94.9	382,397
VERMONT	161	11.1	1,294	88.9	1,455
VIRGIN ISLANDS	20	100.0	0	0.0	20
VIRGINIA	51,185	98.4	810	1.6	51,995
WASHINGTON	0	0.0	0	0.0	0
WEST VIRGINIA	76,894	0.9	8,318,222	99.1	8,395,116
WISCONSIN	985	19.1	4,175	80.9	5,159
WYOMING	0	0.0	1,970,452	100.0	1,970,452
TOTAL	7,767,507	2.8	269,549,432	97.2	277,316,939

[1]Quantity managed only by storage is excluded.

Note: Columns may not sum due to rounding.

Exhibit 2.9 **Fifty Largest RCRA Hazardous Wastewater Managers in the U.S., 1995**

RANK	EPA ID	NAME	CITY	TONS WASTEWATER MANAGED[1]
1	TXD008079642	DUPONT - SABINE RIVER WORKS	ORANGE, TX	57,399,443
2	TND003376928	TENN EASTMAN DIVISION OF EASTMAN CHEMICA	KINGSPORT, TN	37,954,152
3	TXD008080533	AMOCO PETROLEUM PRODUCTS	TEXAS CITY, TX	17,722,074
4	TXD067285973	SHELL OIL COMPANY	DEER PARK, TX	12,276,110
5	TXD058275769	LYONDELL PETROCHEMICAL COMPANY	CHANNELVIEW, TX	11,197,735
6	MID000724724	DOW CHEMICAL CO-MIDLAND PLANT SITE	MIDLAND, MI	10,808,668
7	TXD008092793	THE DOW CHEMICAL COMPANY	FREEPORT, TX	9,165,464
8	CAD009164021	SHELL OIL COMPANY	MARTINEZ, CA	8,498,058
9	TXD007330202	TEXAS EASTMAN DIVISION, EASTMAN CHEM CO	LONGVIEW, TX	7,920,857
10	TXD001700806	CHOCOLATE BAYOU / MONSANTO	ALVIN, TX	7,630,207
11	TXD980626774	PHILLIPS 66 COMPANY, BORGER COMPLEX REF	BORGER, TX	7,579,392
12	WVD005005509	RHONE-POULENC INSTITUTE PLANT	INSTITUTE, WV	7,440,545
13	TXD008079527	STERLING CHEMICALS, INC.	TEXAS CITY, TX	5,571,403
14	CAD009108705	UNOCAL - SAN FRANCISCO REFINERY	RODEO, CA	4,093,199
15	LAD041581422	UNION CARBIDE CORP. TAFT PLANT	TAFT, LA	3,555,336
16	LAD008175390	CYTEC INDUSTRIES INC.	WAGGAMAN, LA	3,485,802
17	TXD000782698	EXXON BAYTOWN REFINERY	BAYTOWN, TX	3,412,085
18	TXD065096273	ROHM AND HASS TEXAS INC.	DEER PARK, TX	2,799,176
19	ILD080012305	SHELL WOOD RIVER REFINING CO	ROXANA, IL	2,746,874
20	TXD083472266	ARCO CHEMICAL COMPANY	CHANNELVIEW, TX	2,539,466
21	TXD008081101	E.I. DUPONT NEMOURS & CO. INC	NEDERLAND, TX	2,448,519
22	TXD055141378	ROLLINS ENVIRONMENTAL SERVICES (TX) INC.	DEER PARK, TX	2,150,848
23	LAD008187080	DOW CHEMICAL COMPANY LOUISIANA DIVISION	PLAQUEMINE, LA	2,076,499
24	TXD000017756	DOW CHEMICAL COMPANY - LA PORTE SITE	LA PORTE, TX	1,812,961
25	KSD007482029	VULCAN MATERIALS COMPANY	WICHITA, KS	1,633,468
26	TXD000836486	GREENS BAYOU PLANT/ISK BIOSCIENCES CORP.	HOUSTON, TX	1,504,627
27	TXD059685339	MCKEE PLANTS	SUNRAY, TX	1,450,786
28	TXD000461533	UNION CARBIDE CORPORATION	TEXAS CITY, TX	1,440,029
29	WYD079959185	SINCLAIR OIL CORPORATION	SINCLAIR, WY	1,315,096
30	LAD010395127	ROLLINS ENVIRONMENTAL SERVICES (LA) INC.	BATON ROUGE, LA	1,270,017
31	CAD008302903	CHEMICAL WASTE MANAGEMENT-AZUSA FACILITY	AZUSA, CA	1,104,092
32	TXD078432457	HOECHST CELANESE CHEMICAL GROUP, LTD.,CL	PASADENA, TX	1,016,426
33	OHD042157644	BP CHEMICALS INC	LIMA, OH	991,819
34	LAD001890367	E.I. DUPONT DE NEMOURS & CO., INC.	LAPLACE, LA	989,041
35	MID005358130	TOTAL PETROLEUM INC. ALMA REFINERY	ALMA, MI	937,472
36	MSD096046792	E.I. DUPONT DE NEMOURS & CO.	PASS CHRISTIAN, MS	909,502
37	TXD000751172	BP CHEMICALS INCORPORATED	PORT LAVACA, TX	888,251
38	ALD001221902	CIBA-GEIGY CORPORATION	MCINTOSH, AL	880,606
39	LAD001700756	MONSANTO COMPANY LULING PLANT	LULING, LA	816,339
40	TXD008099079	RHONE - POULENC, INC.	HOUSTON, TX	766,209
41	PRD090074071	PUERTO RICO SUN OIL CO.	YABUCOA, PR	745,221
42	PAD002334753	OCCIDENTAL CHEMICAL CORP	POTTSTOWN, PA	705,340
43	WVD004341491	CYTEC INDUSTRIES	WILLOW ISLAND, WV	696,556
44	MID082767591	QUANEX CORPORATION, MI SEAMLESS	SOUTH LYON, MI	655,963
45	WYD048743009	LITTLE AMERICA REFINING CO	CASPER, WY	655,356
46	TXD041470543	INTERNATIONAL BUSINESS MACHINES CORP	AUSTIN, TX	639,744
47	NDD006175467	AMOCO OIL COMPANY - MANDAN REFINERY	MANDAN, ND	518,030
48	MSD008186587	MORTON INTERNATIONAL, INC.	MOSS POINT, MS	499,104
49	TXD069450997	MOTOROLA INC/ ED BLUESTEIN FACILITY	AUSTIN, TX	498,890
50	CAD093365435	ROCKWELL/ROCKETDYNE/SSFL	SIMI HILLS, CA	493,849
		TOTAL		256,306,703

[1]Quantity managed only by storage is excluded.

Note: Columns may not sum due to rounding.

Exhibits 2.10, 2.11, and 2.12 present the quantity of RCRA hazardous waste managed by various management methods. The majority (53%) of the waste managed in the nation was managed in aqueous treatment units. Aqueous treatment units consist of:

Aqueous organic treatment units	114 million tons
Aqueous organic and inorganic treatment units	24 million tons
Aqueous inorganic treatment units	8 million tons

Land disposal accounted for 8.1% of the national management total. Land Disposal units include:

Deepwell/Underground Injection	21 million tons
Landfill	1 million tons
Surface Impoundment	575 thousand tons
Land Treatment/Application/Farming	10 thousand tons

Thermal treatment accounted for 2.1% of the national management total. Thermal treatment units are:

Incineration	4 million tons
Energy Recovery (Reuse as Fuel)	1 million tons

Recovery operations accounted for 0.7% of the national management total. Recovery operations include:

Fuel Blending	657 thousand tons
Metals Recovery (for Reuse)	528 thousand tons
Other Recovery	515 thousand tons
Solvents Recovery	285 thousand tons

The remaining management quantities (36.1%) were from "Other" treatment and disposal units:

Other Treatment	97 million tons
Other Disposal (specified in comments)	2 million tons
Stabilization	830 thousand tons
Sludge treatment	591 thousand tons

Exhibit 2.10 **Quantity of RCRA Hazardous Waste Managed, by Management Method, 1995**

MANAGEMENT METHOD	SYSTEM TYPE CODE	TONS MANAGED[1]	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES[2,3]	PERCENTAGE OF FACILITIES[3]
METALS RECOVERY (FOR REUSE)	M011-M019	527,576	0.2	50	6.6
SOLVENTS RECOVERY	M021-M029	284,578	0.1	136	18.0
OTHER RECOVERY	M031-M039	515,047	0.2	45	6.0
INCINERATION	M041-M049	4,268,879	1.5	148	19.6
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	1,436,259	0.5	114	15.1
FUEL BLENDING	M061	656,955	0.2	67	8.9
AQUEOUS INORGANIC TREATMENT	M071-M079	8,047,469	2.9	123	16.3
AQUEOUS ORGANIC TREATMENT	M081-M089	114,489,435	41.3	90	11.9
AQUEOUS ORGANIC AND INORGANIC TREATMENT	M091-M099	24,233,283	8.7	24	3.2
SLUDGE TREATMENT	M101-M109	591,494	0.2	26	3.4
STABILIZATION	M111-M119	830,131	0.3	64	8.5
OTHER TREATMENT	M121-M129	96,822,334	34.9	274	36.3
LAND TREATMENT / APPLICATION / FARMING	M131	10,265	0.0	7	0.9
LANDFILL	M132	1,057,458	0.4	51	6.8
SURFACE IMPOUNDMENT	M133	575,246	0.2	7	0.9
DEEPWELL / UNDERGROUND INJECTION	M134	20,939,566	7.6	31	4.1
OTHER DISPOSAL SPECIFIED IN COMMENTS	M137	2,030,944	0.7	30	4.0
UNKNOWN SYSTEM DUE TO INVALID CODE	UNKNOWN--	20	0.0	1	0.1
TOTAL		**277,316,939**	**100.0**	**755**	

[1]Quantity managed only by storage is excluded.
[2]Facilities with only storage units are excluded.
[3]Column may not sum because facilities may have multiple handling methods.

Note: Columns may not sum due to rounding.

Exhibit 2.11 Management Method, by Quantity of RCRA Hazardous Waste Managed, 1995

MANAGEMENT METHOD	SYSTEM TYPE CODE	TONS MANAGED[1]	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES[2,3]	PERCENTAGE OF FACILITIES[3]
AQUEOUS ORGANIC TREATMENT	M081-M089	114,489,435	41.3	90	11.9
OTHER TREATMENT	M121-M129	96,822,334	34.9	274	36.3
AQUEOUS ORGANIC AND INORGANIC TREATMENT	M091-M099	24,233,283	8.7	24	3.2
DEEPWELL / UNDERGROUND INJECTION	M134	20,939,566	7.6	31	4.1
AQUEOUS INORGANIC TREATMENT	M071-M079	8,047,469	2.9	123	16.3
INCINERATION	M041-M049	4,268,879	1.5	148	19.6
OTHER DISPOSAL SPECIFIED IN COMMENTS	M137	2,030,944	0.7	30	4.0
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	1,436,259	0.5	114	15.1
LANDFILL	M132	1,057,458	0.4	51	6.8
STABILIZATION	M111-M119	830,131	0.3	64	8.5
FUEL BLENDING	M061	656,955	0.2	67	8.9
SLUDGE TREATMENT	M101-M109	591,494	0.2	26	3.4
SURFACE IMPOUNDMENT	M133	575,246	0.2	7	0.9
METALS RECOVERY (FOR REUSE)	M011-M019	527,576	0.2	50	6.6
OTHER RECOVERY	M031-M039	515,047	0.2	45	6.0
SOLVENTS RECOVERY	M021-M029	284,578	0.1	136	18.0
LAND TREATMENT / APPLICATION / FARMING	M131	10,265	0.0	7	0.9
UNKNOWN SYSTEM DUE TO INVALID CODE	UNKNOWN	20	0.0	1	0.1
TOTAL		**277,316,939**	**100.0**	**755**	

[1]Quantity managed only by storage is excluded.
[2]Facilities with only storage units are excluded.
[3]Column may not sum because facilities may have multiple handling methods.

Note: Columns may not sum due to rounding.

Exhibit 2.12 **Management Method and Quantity of RCRA Hazardous Waste Managed, by Number of Facilities, 1995**

MANAGEMENT METHOD	SYSTEM TYPE CODE	TONS MANAGED[1]	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES[2,3]	PERCENTAGE OF FACILITIES[3]
OTHER TREATMENT	M121-M129	96,822,334	34.9	274	36.3
INCINERATION	M041-M049	4,268,879	1.5	148	19.6
SOLVENTS RECOVERY	M021-M029	284,578	0.1	136	18.0
AQUEOUS INORGANIC TREATMENT	M071-M079	8,047,469	2.9	123	16.3
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	1,436,259	0.5	114	15.1
AQUEOUS ORGANIC TREATMENT	M081-M089	114,489,435	41.3	90	11.9
FUEL BLENDING	M061	656,955	0.2	67	8.9
STABILIZATION	M111-M119	830,131	0.3	64	8.5
LANDFILL	M132	1,057,458	0.4	51	6.8
METALS RECOVERY (FOR REUSE)	M011-M019	527,576	0.2	50	6.6
OTHER RECOVERY	M031-M039	515,047	0.2	45	6.0
DEEPWELL / UNDERGROUND INJECTION	M134	20,939,566	7.6	31	4.1
OTHER DISPOSAL SPECIFIED IN COMMENTS	M137	2,030,944	0.7	30	4.0
SLUDGE TREATMENT	M101-M109	591,494	0.2	26	3.4
AQUEOUS ORGANIC AND INORGANIC TREATMENT	M091-M099	24,233,283	8.7	24	3.2
LAND TREATMENT / APPLICATION / FARMING	M131	10,265	0.0	7	0.9
SURFACE IMPOUNDMENT	M133	575,246	0.2	7	0.9
UNKNOWN SYSTEM DUE TO INVALID CODE	UNKNOWN--	20	0.0	1	0.1
TOTAL		**277,316,939**	**100.0**	**755**	

[1]Quantity managed only by storage is excluded.
[2]Facilities with only storage units are excluded.
[3]Column may not sum because facilities may have multiple handling methods.

Note: Columns may not sum due to rounding.

Exhibits 2.13, 2.14, and 2.15 present the quantity of RCRA hazardous waste managed in various treatment and disposal units, limited to waste received from off-site in 1995. For wastes received from off-site, the predominant management methods were incineration, energy recovery, landfill, and underground injection. The national total for hazardous waste received from off-site and managed in treatment and disposal units was 5.7 million tons. This is 2% of the national management total.

Thermal treatment accounted for 26% of the national management total for waste received from off-site and managed on-site. Thermal treatment units are:

Incineration	791 thousand tons
Energy Recovery (Reuse as Fuel)	682 thousand tons

Land disposal accounted for 23.7% of the national management total for waste received from off-site and managed on-site. Land Disposal units include:

Landfill	676 thousand tons
Deepwell/underground Injection	665 thousand tons

Recovery operations accounted for 21.3% of the national management total for waste received from off-site and managed on-site. Recovery operations include:

Fuel Blending	577 thousand tons
Metals Recovery (for Reuse)	353 thousand tons
Solvents Recovery	220 thousand tons
Other Recovery	58 thousand tons

Aqueous treatment accounted for 13.1% of the national management total for waste received from off-site and managed on-site. Aqueous treatment units consist of:

Aqueous inorganic treatment units	562 thousand tons
Aqueous organic treatment units	144 thousand tons
Aqueous organic and inorganic treatment units	39 thousand tons

The remaining management quantities (15.8%) for waste received from off-site and managed on-site were from "Other" treatment and disposal units:

Stabilization	641 thousand tons
Other Treatment	238 thousand tons
Other Disposal (specified in comments)	16 thousand tons
Sludge treatment	2 thousand tons

A comparison between the management profile for all wastes and those received from off-site shows that wastes managed off-site are managed differently. Most wastes managed on site were managed by aqueous treatment. Wastes received from off-site were managed by thermal treatment, land disposal, or recovery.

Exhibit 2.13 **Quantity of RCRA Hazardous Waste Managed, by Management Method, Limited to Waste Received from Off-Site, 1995**

MANAGEMENT METHOD	SYSTEM TYPE CODE	TONS MANAGED[1]	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES[2,3]	PERCENTAGE OF FACILITIES[3]
METALS RECOVERY (FOR REUSE)	M011-M019	352,548	6.2	38	12.3
SOLVENTS RECOVERY	M021-M029	220,364	3.9	46	14.8
OTHER RECOVERY	M031-M039	58,178	1.0	25	8.1
INCINERATION	M041-M049	791,471	14.0	64	20.6
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	682,323	12.0	42	13.5
FUEL BLENDING	M061	577,303	10.2	63	20.3
AQUEOUS INORGANIC TREATMENT	M071-M079	561,536	9.9	39	12.6
AQUEOUS ORGANIC TREATMENT	M081-M089	143,887	2.5	16	5.2
AQUEOUS ORGANIC AND INORGANIC TREATMENT	M091-M099	39,056	0.7	7	2.3
SLUDGE TREATMENT	M101-M109	2,094	0.0	8	2.6
STABILIZATION	M111-M119	641,473	11.3	32	10.3
OTHER TREATMENT	M121-M129	237,724	4.2	93	30.0
LANDFILL	M132	676,029	11.9	27	8.7
DEEPWELL / UNDERGROUND INJECTION	M134	664,779	11.7	9	2.9
OTHER DISPOSAL SPECIFIED IN COMMENTS	M137	15,620	0.3	12	3.9
TOTAL		**5,664,386**	**100.0**	**310**	

[1]Quantity managed only by storage is excluded.
[2]Facilities with only storage units are excluded.
[3]Column may not sum because facilities may have multiple handling methods.

Note: Columns may not sum due to rounding.

Exhibit 2.14 **Management Method, by Quantity of RCRA Hazardous Waste Managed; Limited to Waste Received from Off-Site, 1995**

MANAGEMENT METHOD	SYSTEM TYPE CODE	TONS MANAGED[1]	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES[2,3]	PERCENTAGE OF FACILITIES[3]
INCINERATION	M041-M049	791,471	14.0	64	20.6
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	682,323	12.0	42	13.5
LANDFILL	M132	676,029	11.9	27	8.7
DEEPWELL / UNDERGROUND INJECTION	M134	664,779	11.7	9	2.9
STABILIZATION	M111-M119	641,473	11.3	32	10.3
FUEL BLENDING	M061	577,303	10.2	63	20.3
AQUEOUS INORGANIC TREATMENT	M071-M079	561,536	9.9	39	12.6
METALS RECOVERY (FOR REUSE)	M011-M019	352,548	6.2	38	12.3
OTHER TREATMENT	M121-M129	237,724	4.2	93	30.0
SOLVENTS RECOVERY	M021-M029	220,364	3.9	46	14.8
AQUEOUS ORGANIC TREATMENT	M081-M089	143,887	2.5	16	5.2
OTHER RECOVERY	M031-M039	58,178	1.0	25	8.1
AQUEOUS ORGANIC AND INORGANIC TREATMENT	M091-M099	39,056	0.7	7	2.3
OTHER DISPOSAL SPECIFIED IN COMMENTS	M137	15,620	0.3	12	3.9
SLUDGE TREATMENT	M101-M109	2,094	0.0	8	2.6
TOTAL		**5,664,386**	**100.0**	**310**	

[1]Quantity managed only by storage is excluded.
[2]Facilities with only storage units are excluded.
[3]Column may not sum because facilities may have multiple handling methods.

Note: Columns may not sum due to rounding.

Exhibit 2.15 **Management Method and Quantity of RCRA Hazardous Waste Managed, by Number of Facilities, Limited to Waste Received from Off-Site, 1995**

MANAGEMENT METHOD	SYSTEM TYPE CODE	TONS MANAGED[1]	PERCENTAGE OF QUANTITY	NUMBER OF FACILITIES[2,3]	PERCENTAGE OF FACILITIES[3]
OTHER TREATMENT	M121-M129	237,724	4.2	93	30.0
INCINERATION	M041-M049	791,471	14.0	64	20.6
FUEL BLENDING	M061	577,303	10.2	63	20.3
SOLVENTS RECOVERY	M021-M029	220,364	3.9	46	14.8
ENERGY RECOVERY (REUSE AS FUEL)	M051-M059	682,323	12.0	42	13.5
AQUEOUS INORGANIC TREATMENT	M071-M079	561,536	9.9	39	12.6
METALS RECOVERY (FOR REUSE)	M011-M019	352,548	6.2	38	12.3
STABILIZATION	M111-M119	641,473	11.3	32	10.3
LANDFILL	M132	676,029	11.9	27	8.7
OTHER RECOVERY	M031-M039	58,178	1.0	25	8.1
AQUEOUS ORGANIC TREATMENT	M081-M089	143,887	2.5	16	5.2
OTHER DISPOSAL SPECIFIED IN COMMENTS	M137	15,620	0.3	12	3.9
DEEPWELL / UNDERGROUND INJECTION	M134	664,779	11.7	9	2.9
SLUDGE TREATMENT	M101-M109	2,094	0.0	8	2.6
AQUEOUS ORGANIC AND INORGANIC TREATMENT	M091-M099	39,056	0.7	7	2.3
TOTAL		**5,664,386**	**100.0**	**310**	

[1]Quantity managed only by storage is excluded.
[2]Facilities with only storage units are excluded.
[3]Column may not sum because facilities may have multiple handling methods.

Note: Columns may not sum due to rounding.

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3.0 SHIPMENTS AND RECEIPTS

This section presents a series of exhibits describing RCRA hazardous waste shipments and receipts in 1995. For a complete description of what is included in this report, please see the Executive Summary sections "RCRA Hazardous Waste" and "RCRA Hazardous Waste Shipments and Receipts."

In 1995, 19,567 shippers[1] reported shipping 16 million tons of RCRA hazardous waste. This is a decrease of 4,397 shippers and a decrease of 2 million tons of hazardous waste compared to 1993. Exhibits 3.1, 3.2, and 3.3 present the quantity of waste shipped and the number of shippers in each EPA Region.[2] Shippers located in Region 5 reported shipping the largest amount of waste (5.8 million tons). Region 5 also reported the largest number of shippers (4,513). Shippers located in Region 8 reported shipping the least amount of waste (136 thousand tons). Region 8 also reported the smallest number of shippers (348).

Nationwide, 522 RCRA treatment, storage, or disposal facilities (TSD) reported receiving 6.2 million tons of waste in 1995. This is a decrease of 217 TSDs and a decrease of 2.8 million tons of hazardous waste compared with 1993. Exhibits 3.4, 3.5, and 3.6 present the quantity of waste received and the number of TSDs that received waste in each EPA Region. Receivers in Region 5 reported receiving the largest quantity of waste (1.9 million tons), and Region 4 reported the largest number of receivers (111). Receivers in Region 8 reported receiving the least amount of waste (66 thousand tons), and Region 10 reported the smallest number of receivers (7).

[1]The term "shipment" is intended to refer to the physical transfer of waste from one facility to another. In some cases, however, shipments occur between facilities that neighbor each other and are under the same corporate name. In these instances, EPA may have assigned unique EPA ID numbers to separate industrial sites within the same plant. The resulting shipments may merely be movement of wastes from one portion of the plant to another.

[2]See Appendix C for information on which States are in each EPA Region.

Exhibit 3.1 **Number and Percentage of Hazardous Waste Shippers and Total RCRA Hazardous Waste Quantity Shipped, by EPA Region, 1995**

EPA REGION	HAZARDOUS WASTE QUANTITY		SHIPPERS	
	TONS SHIPPED	PERCENTAGE	NUMBER	PERCENTAGE
1	282,212	1.8	1,319	6.7
2	2,413,974	15.4	2,890	14.8
3	729,090	4.7	1,866	9.5
4	1,092,002	7.0	3,067	15.7
5	5,785,041	37.0	4,513	23.1
6	2,939,607	18.8	2,043	10.4
7	283,232	1.8	553	2.8
8	135,505	0.9	348	1.8
9	1,757,105	11.2	1,973	10.1
10	223,893	1.4	995	5.1
TOTAL	**15,641,662**	**100.0**	**19,567**	**100.0**

Exhibit 3.2 **Number and Percentage of Hazardous Waste Shippers and Total Quantity of RCRA Hazardous Waste Shipped by Region, by the Total Quantity of Waste Shipped, 1995**

EPA REGION	HAZARDOUS WASTE QUANTITY		SHIPPERS	
	TONS SHIPPED	PERCENTAGE	NUMBER	PERCENTAGE
5	5,785,041	37.0	4,513	23.1
6	2,939,607	18.8	2,043	10.4
2	2,413,974	15.4	2,890	14.8
9	1,757,105	11.2	1,973	10.1
4	1,092,002	7.0	3,067	15.7
3	729,090	4.7	1,866	9.5
7	283,232	1.8	553	2.8
1	282,212	1.8	1,319	6.7
10	223,893	1.4	995	5.1
8	135,505	0.9	348	1.8
TOTAL	**15,641,662**	**100.0**	**19,567**	**100.0**

Note: Columns for these two exhibits may not sum due to rounding.

Exhibit 3.3 Number and Percentage of Hazardous Waste Shippers and Total Quantity of RCRA Hazardous Waste Shipped by Region, by Highest Number of Shippers, 1995

EPA REGION	SHIPPERS		HAZARDOUS WASTE QUANTITY	
	NUMBER	PERCENTAGE	TONS SHIPPED	PERCENTAGE
5	4,513	23.1	5,785,041	37.0
4	3,067	15.7	1,092,002	7.0
2	2,890	14.8	2,413,974	15.4
6	2,043	10.4	2,939,607	18.8
9	1,973	10.1	1,757,105	11.2
3	1,866	9.5	729,090	4.7
1	1,319	6.7	282,212	1.8
10	995	5.1	223,893	1.4
7	553	2.8	283,232	1.8
8	348	1.8	135,505	0.9
TOTAL	**19,567**	**100.0**	**15,641,662**	**100.0**

Note: Columns may not sum due to rounding.

Exhibit 3.4 Number and Percentage of Hazardous Waste Receivers and Total Quantity of RCRA Hazardous Waste Received, by EPA Region, 1995

EPA REGION	HAZARDOUS WASTE QUANTITY		RECEIVING FACILITIES	
	TONS RECEIVED	PERCENTAGE	NUMBER	PERCENTAGE
1	126,713	2.1	37	7.1
2	269,508	4.4	35	6.7
3	442,386	7.2	58	11.1
4	772,736	12.6	111	21.3
5	1,874,560	30.4	107	20.5
6	1,627,165	26.4	68	13.0
7	268,082	4.4	16	3.1
8	65,741	1.1	27	5.2
9	545,732	8.9	56	10.7
10	164,567	2.7	7	1.3
TOTAL	6,157,189	100.0	522	100.0

Exhibit 3.5 Number and Percentage of Hazardous Waste Receivers and Total Quantity of RCRA Hazardous Waste Received by Region, by the Total Quantity of Waste Received, 1995

EPA REGION	HAZARDOUS WASTE QUANTITY		RECEIVING FACILITIES	
	TONS RECEIVED	PERCENTAGE	NUMBER	PERCENTAGE
5	1,874,560	30.4	107	20.5
6	1,627,165	26.4	68	13.0
4	772,736	12.6	111	21.3
9	545,732	8.9	56	10.7
3	442,386	7.2	58	11.1
2	269,508	4.4	35	6.7
7	268,082	4.4	16	3.1
10	164,567	2.7	7	1.3
1	126,713	2.1	37	7.1
8	65,741	1.1	27	5.2
TOTAL	6,157,189	100.0	522	100.0

Note: Columns for these two exhibits may not sum due to rounding.

Exhibit 3.6 Number and Percentage of Hazardous Waste Receivers and Total Quantity of RCRA Hazardous Waste Received by Region, by the Number of Receiving Facilities, 1995

EPA REGION	RECEIVING FACILITIES		HAZARDOUS WASTE QUANTITY	
	NUMBER	PERCENTAGE	TONS RECEIVED	PERCENTAGE
4	111	21.3	772,736	12.6
5	107	20.5	1,874,560	30.4
6	68	13.0	1,627,165	26.4
3	58	11.1	442,386	7.2
9	56	10.7	545,732	8.9
1	37	7.1	126,713	2.1
2	35	6.7	269,508	4.4
8	27	5.2	65,741	1.1
7	16	3.1	268,082	4.4
10	7	1.3	164,567	2.7
TOTAL	**522**	**100.0**	**6,157,189**	**100.0**

Note: Columns may not sum due to rounding.

Exhibits 3.7, 3.8, and 3.9 present the quantity of waste shipped and the number of shippers in each State. Shippers in Texas reported shipping the largest quantity of waste (2.4 million tons), and New York reported the largest number of shippers (1,785). Shippers in the Navajo Nation reported shipping the least amount of waste (185 tons), while the Virgin Islands reported the fewest number of shippers (1).

Exhibit 3.7 · Quantity of RCRA Hazardous Waste Shipped and Number of Hazardous Waste Shippers, by State, 1995

STATE	HAZARDOUS WASTE QUANTITY			SHIPPERS		
	RANK	TONS SHIPPED	PERCENTAGE	RANK	NUMBER	PERCENTAGE
ALABAMA	15	205,427	1.3	23	276	1.4
ALASKA	46	4,113	0.0	42	64	0.3
ARIZONA	31	51,662	0.3	27	195	1.0
ARKANSAS	12	231,157	1.5	26	200	1.0
CALIFORNIA	5	1,692,876	10.8	2	1,627	8.3
COLORADO	27	76,141	0.5	31	155	0.8
CONNECTICUT	20	117,260	0.7	18	394	2.0
DELAWARE	37	19,832	0.1	42	64	0.3
DISTRICT OF COLUMBIA	54	767	0.0	49	18	0.1
FLORIDA	26	77,806	0.5	16	417	2.1
GEORGIA	18	134,995	0.9	17	402	2.1
GUAM	55	698	0.0	53	13	0.1
HAWAII	47	3,978	0.0	45	49	0.3
IDAHO	49	3,071	0.0	45	49	0.3
ILLINOIS	4	1,936,475	12.4	5	1,151	5.9
INDIANA	9	449,690	2.9	10	605	3.1
IOWA	36	33,308	0.2	36	104	0.5
KANSAS	16	197,274	1.3	25	208	1.1
KENTUCKY	13	221,863	1.4	14	434	2.2
LOUISIANA	11	248,802	1.6	20	360	1.8
MAINE	44	6,258	0.0	32	150	0.8
MARYLAND	30	52,367	0.3	28	190	1.0
MASSACHUSETTS	19	119,187	0.8	12	472	2.4
MICHIGAN	8	456,708	2.9	8	707	3.6
MINNESOTA	2	2,143,019	13.7	22	281	1.4
MISSISSIPPI	34	39,143	0.3	33	149	0.8
MISSOURI	35	39,070	0.2	29	181	0.9
MONTANA	43	7,212	0.0	45	49	0.3
NAVAJO NATION	56	185	0.0	54	10	0.1
NEBRASKA	40	13,581	0.1	44	60	0.3
NEVADA	45	6,245	0.0	39	76	0.4
NEW HAMPSHIRE	38	14,250	0.1	34	127	0.6
NEW JERSEY	10	348,319	2.2	7	1,037	5.3
NEW MEXICO	42	7,631	0.0	48	43	0.2
NEW YORK	3	1,999,648	12.8	1	1,785	9.1
NORTH CAROLINA	24	93,784	0.6	11	580	3.0
NORTH DAKOTA	50	2,326	0.0	51	16	0.1
OHIO	6	697,734	4.5	3	1,349	6.9
OKLAHOMA	28	63,688	0.4	30	166	0.8
OREGON	33	43,332	0.3	24	210	1.1
PENNSYLVANIA	7	469,935	3.0	6	1,109	5.7
PUERTO RICO	29	62,800	0.4	41	67	0.3
RHODE ISLAND	39	13,810	0.1	37	102	0.5
SOUTH CAROLINA	14	216,908	1.4	21	357	1.8
SOUTH DAKOTA	53	1,099	0.0	52	15	0.1
TENNESSEE	22	102,075	0.7	13	452	2.3
TEXAS	1	2,388,329	15.3	4	1,274	6.5
TRUST TERRITORIES	52	1,462	0.0	55	3	0.0
UTAH	32	47,072	0.3	38	96	0.5
VERMONT	41	11,448	0.1	40	74	0.4
VIRGIN ISLANDS	48	3,208	0.0	56	1	0.0
VIRGINIA	21	102,660	0.7	19	369	1.9
WASHINGTON	17	173,378	1.1	9	672	3.4
WEST VIRGINIA	25	83,528	0.5	35	116	0.6
WISCONSIN	23	101,415	0.6	15	420	2.1
WYOMING	51	1,655	0.0	50	17	0.1
TOTAL		15,641,662	100.0		19,567	100.0

Note: Columns may not sum due to rounding.

Exhibit 3.8 **Rank Ordering of States Based on Quantity of RCRA Hazardous Waste Shipped and Number of Hazardous Waste Shippers, 1995**

STATE	HAZARDOUS WASTE QUANTITY			SHIPPERS		
	RANK	TONS SHIPPED	PERCENTAGE	RANK	NUMBER	PERCENTAGE
TEXAS	1	2,388,329	15.3	4	1,274	6.5
MINNESOTA	2	2,143,019	13.7	22	281	1.4
NEW YORK	3	1,999,648	12.8	1	1,785	9.1
ILLINOIS	4	1,936,475	12.4	5	1,151	5.9
CALIFORNIA	5	1,692,876	10.8	2	1,627	8.3
OHIO	6	697,734	4.5	3	1,349	6.9
PENNSYLVANIA	7	469,935	3.0	6	1,109	5.7
MICHIGAN	8	456,708	2.9	8	707	3.6
INDIANA	9	449,690	2.9	10	605	3.1
NEW JERSEY	10	348,319	2.2	7	1,037	5.3
LOUISIANA	11	248,802	1.6	20	360	1.8
ARKANSAS	12	231,157	1.5	26	200	1.0
KENTUCKY	13	221,863	1.4	14	434	2.2
SOUTH CAROLINA	14	216,908	1.4	21	357	1.8
ALABAMA	15	205,427	0.3	23	276	1.4
KANSAS	16	197,274	1.3	25	208	1.1
WASHINGTON	17	173,378	1.1	9	672	3.4
GEORGIA	18	134,995	0.9	17	402	2.1
MASSACHUSETTS	19	119,187	0.8	12	472	2.4
CONNECTICUT	20	117,260	0.7	18	394	2.0
VIRGINIA	21	102,660	0.7	19	369	1.9
TENNESSEE	22	102,075	0.7	13	452	2.3
WISCONSIN	23	101,415	0.6	15	420	2.1
NORTH CAROLINA	24	93,784	0.6	11	580	3.0
WEST VIRGINIA	25	83,528	0.5	35	116	0.6
FLORIDA	26	77,806	0.5	16	417	2.1
COLORADO	27	76,141	0.5	31	155	0.8
OKLAHOMA	28	63,688	0.4	30	166	0.8
PUERTO RICO	29	62,800	0.4	41	67	0.3
MARYLAND	30	52,367	0.3	28	190	1.0
ARIZONA	31	51,662	0.3	27	195	1.0
UTAH	32	47,072	0.3	38	96	0.5
OREGON	33	43,332	0.3	24	210	1.1
MISSISSIPPI	34	39,143	0.3	33	149	0.8
MISSOURI	35	39,070	0.2	29	181	0.9
IOWA	36	33,308	0.2	36	104	0.5
DELAWARE	37	19,832	0.1	42	64	0.3
NEW HAMPSHIRE	38	14,250	0.1	34	127	0.6
RHODE ISLAND	39	13,810	0.1	37	102	0.5
NEBRASKA	40	13,581	0.1	44	60	0.3
VERMONT	41	11,448	0.1	40	74	0.4
NEW MEXICO	42	7,631	0.0	48	43	0.2
MONTANA	43	7,212	0.0	45	49	0.3
MAINE	44	6,258	0.0	32	150	0.8
NEVADA	45	6,245	0.0	39	76	0.4
ALASKA	46	4,113	0.0	42	64	0.3
HAWAII	47	3,978	0.0	45	49	0.3
VIRGIN ISLANDS	48	3,208	0.0	56	1	0.0
IDAHO	49	3,071	0.0	45	49	0.3
NORTH DAKOTA	50	2,326	0.0	51	16	0.1
WYOMING	51	1,655	0.0	50	17	0.1
TRUST TERRITORIES	52	1,462	0.0	55	3	0.0
SOUTH DAKOTA	53	1,099	0.0	52	15	0.1
DISTRICT OF COLUMBIA	54	767	0.0	49	18	0.1
GUAM	55	698	0.0	53	13	0.1
NAVAJO NATION	56	185	0.0	54	10	0.1
TOTAL		**15,641,662**	**100.0**		**19,567**	**100.0**

Note: Columns may not sum due to rounding.

Exhibit 3.9 **Rank Ordering of States Based on Number of Hazardous Waste Shippers and Quantity of RCRA Hazardous Waste Shipped, 1995**

STATE	SHIPPERS			HAZARDOUS WASTE QUANTITY		
	RANK	NUMBER	PERCENTAGE	RANK	TONS SHIPPED	PERCENTAGE
NEW YORK	1	1,785	9.1	3	1,999,648	12.8
CALIFORNIA	2	1,627	8.3	5	1,692,876	10.8
OHIO	3	1,349	6.9	6	697,734	4.5
TEXAS	4	1,274	6.5	1	2,388,329	15.3
ILLINOIS	5	1,151	5.9	4	1,936,475	12.4
PENNSYLVANIA	6	1,109	5.7	7	469,935	3.0
NEW JERSEY	7	1,037	5.3	10	348,319	2.2
MICHIGAN	8	707	3.6	8	456,708	2.9
WASHINGTON	9	672	3.4	17	173,378	1.1
INDIANA	10	605	3.1	9	449,690	2.9
NORTH CAROLINA	11	580	3.0	24	93,784	0.6
MASSACHUSETTS	12	472	2.4	19	119,187	0.8
TENNESSEE	13	452	2.3	22	102,075	0.7
KENTUCKY	14	434	2.2	13	221,863	1.4
WISCONSIN	15	420	2.1	23	101,415	0.6
FLORIDA	16	417	2.1	26	77,806	0.5
GEORGIA	17	402	2.1	18	134,995	0.9
CONNECTICUT	18	394	2.0	20	117,260	0.7
VIRGINIA	19	369	1.9	21	102,660	0.7
LOUISIANA	20	360	1.8	11	248,802	1.6
SOUTH CAROLINA	21	357	1.8	14	216,908	1.4
MINNESOTA	22	281	1.4	2	2,143,019	13.7
ALABAMA	23	276	1.4	15	205,427	1.3
OREGON	24	210	1.1	33	43,332	0.3
KANSAS	25	208	1.1	16	197,274	1.3
ARKANSAS	26	200	1.0	12	231,157	1.5
ARIZONA	27	195	1.0	31	51,662	0.3
MARYLAND	28	190	1.0	30	52,367	0.3
MISSOURI	29	181	0.9	35	39,070	0.2
OKLAHOMA	30	166	0.8	28	63,688	0.4
COLORADO	31	155	0.8	27	76,141	0.5
MAINE	32	150	0.8	44	6,258	0.0
MISSISSIPPI	33	149	0.8	34	39,143	0.3
NEW HAMPSHIRE	34	127	0.6	38	14,250	0.1
WEST VIRGINIA	35	116	0.6	25	83,528	0.5
IOWA	36	104	0.5	36	33,308	0.2
RHODE ISLAND	37	102	0.5	39	13,810	0.1
UTAH	38	96	0.5	32	47,072	0.3
NEVADA	39	76	0.4	45	6,245	0.0
VERMONT	40	74	0.4	41	11,448	0.1
PUERTO RICO	41	67	0.3	29	62,800	0.4
DELAWARE	42	64	0.3	37	19,832	0.1
ALASKA	42	64	0.3	46	4,113	0.0
NEBRASKA	44	60	0.3	40	13,581	0.1
MONTANA	45	49	0.3	43	7,212	0.0
HAWAII	45	49	0.3	47	3,978	0.0
IDAHO	45	49	0.3	49	3,071	0.0
NEW MEXICO	48	43	0.2	42	7,631	0.0
DISTRICT OF COLUMBIA	49	18	0.1	54	767	0.0
WYOMING	50	17	0.1	51	1,655	0.0
NORTH DAKOTA	51	16	0.1	50	2,326	0.0
SOUTH DAKOTA	52	15	0.1	53	1,099	0.0
GUAM	53	13	0.1	55	698	0.0
NAVAJO NATION	54	10	0.1	56	185	0.0
TRUST TERRITORIES	55	3	0.0	52	1,462	0.0
VIRGIN ISLANDS	56	1	0.0	48	3,208	0.0
TOTAL		19,567	100.0		15,641,662	100.0

Note: Columns may not sum due to rounding.

Exhibits 3.10, 3.11, and 3.12 present the quantity of waste received and the number of TSDs receiving waste in each State. TSDs in Texas reported receiving the largest quantity of waste (982 thousand tons) while California reported the highest number of TSDs receiving waste (40). Seven (7) States reported they did not have any TSDs that received hazardous waste. The States were the District of Columbia, Navajo Nation, New Hampshire, Trust Territories, Virgin Islands, Washington, and Wyoming.

Exhibits presenting the amount of waste shipped (3.1, 3.2, 3.3, 3.7, 3.8, and 3.9) and exhibits presenting the amount of waste received (3.4, 3.5, 3.6, 3.10, 3.11, and 3.12) show a 9.5 million ton difference between the amount of waste reported shipped and the amount of waste reported received. See the Executive Summary section "RCRA Hazardous Waste Shipments and Receipts" for a discussion of possible reasons for the discrepancy between the amount of waste reported shipped and the amount of waste reported received.

Exhibits 3.13 and 3.14 present listings of the 50 largest shippers and receivers, respectively, in the nation. The largest 50 shippers account for 63% of the national total of waste shipped, and the 50 largest receivers account for 70% of the national total of waste received.

Exhibit 3.10 **Quantity of RCRA Hazardous Waste Received and Number of Receivers, by State, 1995**

STATE	HAZARDOUS WASTE QUANTITY			RECEIVING FACILITIES		
	RANK	TONS RECEIVED	PERCENTAGE	RANK	NUMBER	PERCENTAGE
ALABAMA	13	193,028	3.1	15	13	2.5
ALASKA	47	282	0.0	34	3	0.6
ARIZONA	31	17,280	0.3	22	10	1.9
ARKANSAS	12	215,819	3.5	20	11	2.1
CALIFORNIA	4	479,013	7.8	1	40	7.7
COLORADO	24	44,348	0.7	27	8	1.5
CONNECTICUT	25	42,013	0.7	18	12	2.3
DELAWARE	41	1,431	0.0	47	1	0.2
DISTRICT OF COLUMBIA	50	0	0.0	48	0	0.0
FLORIDA	22	47,284	0.8	5	25	4.8
GEORGIA	29	28,598	0.5	12	15	2.9
GUAM	46	344	0.0	39	2	0.4
HAWAII	42	1,101	0.0	39	2	0.4
IDAHO	27	33,609	0.5	34	3	0.6
ILLINOIS	5	358,109	5.8	5	25	4.8
INDIANA	2	581,293	9.4	7	24	4.6
IOWA	37	2,029	0.0	47	1	0.2
KANSAS	10	248,329	4.0	20	11	2.1
KENTUCKY	16	122,863	2.0	15	13	2.5
LOUISIANA	8	289,874	4.7	11	17	3.3
MAINE	38	1,977	0.0	39	2	0.4
MARYLAND	36	2,578	0.0	31	4	0.8
MASSACHUSETTS	19	50,104	0.8	15	13	2.5
MICHIGAN	3	513,382	8.3	8	19	3.6
MINNESOTA	17	115,140	1.9	8	19	3.6
MISSISSIPPI	33	12,800	0.2	34	3	0.6
MISSOURI	40	1,856	0.0	39	2	0.4
MONTANA	49	3	0.0	39	2	0.4
NAVAJO NATION	50	0	0.0	50	0	0.0
NEBRASKA	32	15,869	0.3	39	2	0.4
NEVADA	21	47,994	0.8	39	2	0.4
NEW HAMPSHIRE	50	0	0.0	50	0	0.0
NEW JERSEY	35	6,342	0.1	34	3	0.6
NEW MEXICO	45	455	0.0	31	4	0.8
NEW YORK	11	225,032	3.7	3	29	5.6
NORTH CAROLINA	20	49,795	0.8	8	19	3.6
NORTH DAKOTA	44	801	0.0	30	5	1.0
OHIO	7	304,709	4.9	13	14	2.7
OKLAHOMA	14	138,537	2.3	22	10	1.9
OREGON	15	130,676	2.1	47	1	0.2
PENNSYLVANIA	6	356,788	5.8	2	31	5.9
PUERTO RICO	26	38,134	0.6	34	3	0.6
RHODE ISLAND	28	31,532	0.5	31	4	0.8
SOUTH CAROLINA	9	272,585	4.4	26	9	1.7
SOUTH DAKOTA	48	260	0.0	39	2	0.4
TENNESSEE	23	45,784	0.7	13	14	2.7
TEXAS	1	982,479	16.0	4	26	5.0
TRUST TERRITORIES	50	0	0.0	50	0	0.0
UTAH	30	20,331	0.3	22	10	1.9
VERMONT	43	1,086	0.0	28	6	1.1
VIRGIN ISLANDS	50	0	0.0	50	0	0.0
VIRGINIA	18	70,532	1.1	18	12	2.3
WASHINGTON	50	0	0.0	50	0	0.0
WEST VIRGINIA	34	11,057	0.2	22	10	1.9
WISCONSIN	39	1,926	0.0	28	6	1.1
WYOMING	50	0	0.0	50	0	0.0
TOTAL		6,157,189	100.0		522	100.0

Note: Columns may not sum due to rounding.

Exhibit 3.11 **Rank Ordering of States Based on Quantity of RCRA Hazardous Waste Received and Number of Receivers, 1995**

STATE	HAZARDOUS WASTE QUANTITY			RECEIVING FACILITIES		
	RANK	TONS RECEIVED	PERCENTAGE	RANK	NUMBER	PERCENTAGE
TEXAS	1	982,479	16.0	4	26	5.0
INDIANA	2	581,293	9.4	7	24	4.6
MICHIGAN	3	513,382	8.3	8	19	3.6
CALIFORNIA	4	479,013	7.8	1	40	7.7
ILLINOIS	5	358,109	5.8	5	25	4.8
PENNSYLVANIA	6	356,788	5.8	2	31	5.9
OHIO	7	304,709	4.9	13	14	2.7
LOUISIANA	8	289,874	4.7	11	17	3.3
SOUTH CAROLINA	9	272,585	4.4	26	9	1.7
KANSAS	10	248,329	4.0	20	11	2.1
NEW YORK	11	225,032	3.7	3	29	5.6
ARKANSAS	12	215,819	3.5	20	11	2.1
ALABAMA	13	193,028	3.1	15	13	2.5
OKLAHOMA	14	138,537	2.3	22	10	1.9
OREGON	15	130,676	2.1	47	1	0.2
KENTUCKY	16	122,863	2.0	15	13	2.5
MINNESOTA	17	115,140	1.9	8	19	3.6
VIRGINIA	18	70,532	1.1	18	12	2.3
MASSACHUSETTS	19	50,104	0.8	15	13	2.5
NORTH CAROLINA	20	49,795	0.8	8	19	3.6
NEVADA	21	47,994	0.8	39	2	0.4
FLORIDA	22	47,284	0.8	5	25	4.8
TENNESSEE	23	45,784	0.7	13	14	2.7
COLORADO	24	44,348	0.7	27	8	1.5
CONNECTICUT	25	42,013	0.7	18	12	2.3
PUERTO RICO	26	38,134	0.6	34	3	0.6
IDAHO	27	33,609	0.5	34	3	0.6
RHODE ISLAND	28	31,532	0.5	31	4	0.8
GEORGIA	29	28,598	0.5	12	15	2.9
UTAH	30	20,331	0.3	22	10	1.9
ARIZONA	31	17,280	0.3	22	10	1.9
NEBRASKA	32	15,869	0.3	39	2	0.4
MISSISSIPPI	33	12,800	0.2	34	3	0.6
WEST VIRGINIA	34	11,057	0.2	22	10	1.9
NEW JERSEY	35	6,342	0.1	34	3	0.6
MARYLAND	36	2,578	0.0	31	4	0.8
IOWA	37	2,029	0.0	47	1	0.2
MAINE	38	1,977	0.0	39	2	0.4
WISCONSIN	39	1,926	0.0	28	6	1.1
MISSOURI	40	1,856	0.0	39	2	0.4
DELAWARE	41	1,431	0.0	47	1	0.2
HAWAII	42	1,101	0.0	39	2	0.4
VERMONT	43	1,086	0.0	28	6	1.1
NORTH DAKOTA	44	801	0.0	30	5	1.0
NEW MEXICO	45	455	0.0	31	4	0.8
GUAM	46	344	0.0	39	2	0.4
ALASKA	47	282	0.0	34	3	0.6
SOUTH DAKOTA	48	260	0.0	39	2	0.4
MONTANA	49	3	0.0	39	2	0.4
DISTRICT OF COLUMBIA	50	0	0.0	50	0	0.0
NAVAJO NATION	50	0	0.0	50	0	0.0
NEW HAMPSHIRE	50	0	0.0	50	0	0.0
TRUST TERRITORIES	50	0	0.0	50	0	0.0
VIRGIN ISLANDS	50	0	0.0	50	0	0.0
WASHINGTON	50	0	0.0	50	0	0.0
WYOMING	50	0	0.0	50	0	0.0
TOTAL		6,157,189	100.0		522	100.0

Note: Columns may not sum due to rounding.

Exhibit 3.12 **Rank Ordering of States Based on Number of Receiving Facilities and Quantity of RCRA Hazardous Waste Received, 1995**

STATE	RECEIVING FACILITIES			HAZARDOUS WASTE QUANTITY		
	RANK	NUMBER	PERCENTAGE	RANK	TONS RECEIVED	PERCENTAGE
CALIFORNIA	1	40	7.7	4	479,013	7.8
PENNSYLVANIA	2	31	5.9	6	356,788	5.8
NEW YORK	3	29	5.6	11	225,032	3.7
TEXAS	4	26	5.0	1	982,479	16.0
ILLINOIS	5	25	4.8	5	358,109	5.8
FLORIDA	5	25	4.8	22	47,284	0.8
INDIANA	7	24	4.6	2	581,293	9.4
MICHIGAN	8	19	3.6	3	513,382	8.3
MINNESOTA	8	19	3.6	17	115,140	1.9
NORTH CAROLINA	8	19	3.6	20	49,795	0.8
LOUISIANA	11	17	3.3	8	289,874	4.7
GEORGIA	12	15	2.9	29	28,598	0.5
OHIO	13	14	2.7	7	304,709	4.9
TENNESSEE	13	14	2.7	23	45,784	0.7
ALABAMA	15	13	2.5	13	193,028	3.1
KENTUCKY	15	13	2.5	16	122,863	2.0
MASSACHUSETTS	15	13	2.5	19	50,104	0.8
VIRGINIA	18	12	2.3	18	70,532	1.1
CONNECTICUT	18	12	2.3	25	42,013	0.7
KANSAS	20	11	2.1	10	248,329	4.0
ARKANSAS	20	11	2.1	12	215,819	3.5
OKLAHOMA	22	10	1.9	14	138,537	2.3
UTAH	22	10	1.9	30	20,331	0.3
ARIZONA	22	10	1.9	31	17,280	0.3
WEST VIRGINIA	22	10	1.9	34	11,057	0.2
SOUTH CAROLINA	26	9	1.7	9	272,585	4.4
COLORADO	27	8	1.5	24	44,348	0.7
WISCONSIN	28	6	1.1	39	1,926	0.0
VERMONT	28	6	1.1	43	1,086	0.0
NORTH DAKOTA	30	5	1.0	44	801	0.0
RHODE ISLAND	31	4	0.8	28	31,532	0.5
MARYLAND	31	4	0.8	36	2,578	0.0
NEW MEXICO	31	4	0.8	45	455	0.0
PUERTO RICO	34	3	0.6	26	38,134	0.6
IDAHO	34	3	0.6	27	33,609	0.5
MISSISSIPPI	34	3	0.6	33	12,800	0.2
NEW JERSEY	34	3	0.6	35	6,342	0.1
ALASKA	34	3	0.6	47	282	0.0
NEVADA	39	2	0.4	21	47,994	0.8
NEBRASKA	39	2	0.4	32	15,869	0.3
MAINE	39	2	0.4	38	1,977	0.0
MISSOURI	39	2	0.4	40	1,856	0.0
HAWAII	39	2	0.4	42	1,101	0.0
GUAM	39	2	0.4	46	344	0.0
SOUTH DAKOTA	39	2	0.4	48	260	0.0
MONTANA	39	2	0.4	49	3	0.0
OREGON	47	1	0.2	15	130,676	2.1
IOWA	47	1	0.2	37	2,029	0.0
DELAWARE	47	1	0.2	41	1,431	0.0
DISTRICT OF COLUMBIA	50	0	0.0	50	0	0.0
NAVAJO NATION	50	0	0.0	50	0	0.0
NEW HAMPSHIRE	50	0	0.0	50	0	0.0
TRUST TERRITORIES	50	0	0.0	50	0	0.0
VIRGIN ISLANDS	50	0	0.0	50	0	0.0
WASHINGTON	50	0	0.0	50	0	0.0
WYOMING	50	0	0.0	50	0	0.0
TOTAL		522	100.0		6,157,189	100.0

Note: Columns may not sum due to rounding.

Exhibit 3.13 **Fifty Largest RCRA Hazardous Waste Shippers in the U.S., 1995**

RANK	EPA ID	NAME	CITY	TONS SHIPPED
1	MND981953045	SAFETY-KLEEN CORP	BLAINE, MN	2,067,553
2	NYD003930849	DISTILLATION PRODUCTS INDUSTRIES	ROCHESTER, NY	1,396,647
3	ILD068469386	DANA VICTOR PRODUCTS	CICERO, IL	1,077,363
4	CAD008302903	CHEMICAL WASTE MANAGEMENT-AZUSA FACILITY	AZUSA, CA	886,838
5	TXD981911209	OCCIDENTAL CHEMICAL HOUSTON CHEMICAL COM	DEER PARK, TX	766,625
6	TXD063085567	COASTAL REFINING & MARKETING INC.	CORPUS CHRISTI, TX	405,675
7	ILD000806521	COM ED BYRON STA	BYRON, IL	400,016
8	NYD002126852	DELPHI HARRISON THERM SYS-W LOCKPORT CMP	LOCKPORT, NY	301,625
9	CAD982009417	ANAHEIM PLATING INC.	ANAHEIM, CA	206,050
10	CAD093435022	CERTAINTEAD CORPORATION	CHOWCHILLA, CA	156,947
11	TXD102684370	BAYTANK INC.	SEABROOK, TX	155,033
12	TXD000807982	PAKTANK CORP - DEER PARK	DEER PARK, TX	153,002
13	OHD076741149	SCM CHEMICALS INC	ASHTABULA, OH	96,847
14	OHD004228003	REPUBLIC ENG STEELS CANTON PLANT	CANTON, OH	92,288
15	KSD007249980	ELF ATOCHEM NORTH AMERICA INC	WICHITA, KS	86,978
16	IND005467618	ELKHART PLATING CORP.	ELKHART, IN	85,613
17	IND093219012	HERITAGE ENVIRONMENTAL SERVICES INC	INDIANAPOLIS, IN	79,346
18	NJD079323044	HOECHST CELANESE CORPORATION	NEWARK, NJ	78,404
19	MID980615298	PETRO-CHEM PROC. GRP., NORTRU INC	DETROIT, MI	76,576
20	KYD053348108	SAFETY-KLEEN CORP.	SMITHFIELD, KY	75,783
21	KSD980633259	SYSTECH ENVIRONMENTAL CORPORATION	FREDONIA, KS	64,357
22	TXD058275769	LYONDELL PETROCHEMICAL COMPANY	CHANNELVIEW, TX	61,638
23	SCD042627448	NIPA HARDWICKE INC	ELGIN, SC	59,701
24	IL0000910836	HUBBARDS CAVE IL DEPT TRANS	CHICAGO, IL	56,601
25	TXD058265067	ARCO CHEMICAL COMPANY	PASADENA, TX	56,080
26	TXD000838896	CHEMICAL WASTE MGT. INC.	PORT ARTHUR, TX	53,096
27	IND181157009	NUCOR STEEL	CRAWFORDSVILLE, IN	51,079
28	ARD981908890	NUCOR YAMATO STEEL	BLYTHEVILLE, AR	49,021
29	WID098547854	METRO RECYCLING AND DISPOSAL FACILITY	FRANKLIN, WI	48,124
30	ARD981057870	RINECO	BENTON, AR	48,059
31	NYD981085947	XEROX CORPORATION	BLAUVELT, NY	46,858
32	TXD077603371	SAFETY KLEEN CORP - DENTON RECYCLE	DENTON, TX	43,209
33	WAD990828642	COLUMBIA ALUMINUM CORPORATION	GOLDENDALE, WA	42,819
34	NY0000204479	HUNTS POINT AVENUE BRIDGE	HUNTS POINT, NY	40,500
35	OHD005048947	SYSTECH ENVIRONMENTAL CORP	PAULDING, OH	39,978
36	ARD069748192	ENSCO INC	EL DORADO, AR	39,128
37	ALD070513767	M & M CHEMICAL & EQUIPMENT COMPANY, INC.	ATTALLA, AL	38,020
38	WAD057311094	AMERICAN CROSSARM & CONDUIT	CHEHALIS, WA	35,657
39	MID000820381	THE UPJOHN COMPANY	KALAMAZOO, MI	34,696
40	ILD980613913	SAFETY KLEEN ENVIROSYSTEMS CO	DOLTON, IL	34,268
41	LAD000777201	CHEMICAL WASTE MANAGEMENT	SULPHUR, LA	33,945
42	ARD983278243	NUCOR STEEL ARKANSAS	BLYTHEVILLE, AR	32,403
43	CAD982029225	PASMINCO INCORPORATED	TORRANCE, CA	32,302
44	NJD002182897	SAFETY KLEEN CORP	LINDEN, NJ	29,215
45	OH0000923441	JENNISON-WRIGHT SITE	TOLEDO, OH	28,675
46	MID005379706	FORD MOTOR COMPANY, WAYNE ASSY PL	WAYNE, MI	28,345
47	ALD981019045	SYSTECH ENVIRONMENTAL CORPORATION	DEMOPOLIS, AL	27,380
48	NYD980536288	DUPONT	NIAGARA FALLS, NY	27,081
49	ALD000622464	CHEMICAL WASTE MANAGEMENT, INC.	EMMELLE, AL	27,026
50	NJ3210020704	US ARMY ARMAMENT RESEARCH DEVELOPMENT	PICATINNY ARSENAL, NJ	25,702
		TOTAL		9,880,171

Note: Columns may not sum due to rounding.

Exhibit 3.14 **Fifty Largest RCRA Hazardous Waste Receivers in the U.S., 1995**

RANK	EPA ID	NAME	CITY	TONS RECEIVED
1	TXD000838896	CHEMICAL WASTE MGT. INC.	PORT ARTHUR, TX	555,803
2	CAD097030993	NORRIS ENVIRONMENTAL SERVICES, INC.	VERNON, CA	247,228
3	KSD007482029	VULCAN MATERIALS COMPANY	WICHITA, KS	149,635
4	IND000199653	QUEMETCO, INC.	INDIANAPOLIS, IN	133,129
5	ORD089452353	CHEMICAL WASTE MANAGEMENT OF THE NW	ARLINGTON, OR	130,676
6	MID048090633	WAYNE DISPOSAL SITE #2 LANDFILL	BELLEVILLE, MI	126,995
7	IND078911146	CHEMICAL WASTE MANAGEMENT	FORT WAYNE, IN	116,985
8	NYD049836679	CWM CHEMICAL SERVICES, INC.	MODEL CITY, NY	112,216
9	OKD065438376	U.S. POLLUTION CONTROL INC.	WAYNOKA, OK	111,319
10	OHD020273819	CHEMICAL WASTE MANAGEMENT INC	VICKERY, OH	108,004
11	LAD000777201	CHEMICAL WASTE MANAGEMENT	SULPHUR, LA	106,021
12	TXD083472266	ARCO CHEMICAL COMPANY	CHANNELVIEW, TX	98,184
13	MID000724831	MICHIGAN DISPOSAL WASTE TREATMENT PLANT	BELLEVILLE, MI	95,328
14	TXD000782698	EXXON BAYTOWN REFINERY	BAYTOWN, TX	95,006
15	MID980615298	PETRO-CHEM PROC. GRP., NORTRU INC	DETROIT, MI	91,577
16	IND005081542	ESSROC MATERIALS INC.	LAGANSPORT, IN	91,274
17	IND093219012	HERITAGE ENVIRONMENTAL SERVICES INC	INDIANAPOLIS, IN	87,570
18	SCD003351699	GIANT CEMENT COMPANY	HARLEYVILLE, SC	86,599
19	ALD000622464	CHEMICAL WASTE MANAGEMENT, INC.	EMMELLE, AL	82,008
20	ILD000666206	ENVIRITE CORP	HARVEY, IL	81,942
21	SCD070375985	LAIDLAW ENV SVS OF SC INC	PINEWOOD, SC	77,127
22	LAD981057706	MARINE SHALE PROCESSORS, INC.	AMELIA, LA	75,662
23	PAD004835146	MILL SERVICE INC YUKON	YUKON, PA	75,580
24	ARD006354161	REYNOLDS METALS CO GUM SPRINGS PLANT	GUM SPRINGS, AR	72,519
25	TXD055141378	ROLLINS ENVIRONMENTAL SERVICES (TX) INC.	DEER PARK, TX	71,155
26	PAD010154045	ENVIRITE CORP	YORK, PA	69,841
27	IND980503890	HERITAGE ENVIRONMENTAL SERVICES, INC	ROACHDALE, IN	68,214
28	ILD000805812	PEORIA DISPOSAL CO INC	PEORIA, IL	66,737
29	MND006148092	GOPHER RESOURCE CORPORATION	EAGAN, MN	64,433
30	NYD030485288	REVERE SMELTING & REFINING CORPORATION	MIDDLETOWN, NY	62,143
31	KYD053348108	SAFETY-KLEEN CORP.	SMITHFIELD, KY	60,319
32	ILD980613913	SAFETY KLEEN ENVIROSYSTEMS CO	DOLTON, IL	59,550
33	MID980684088	SOLVENT DISTILLERS GRP./NORTRU, INC.	DETROIT, MI	56,524
34	PAD002389559	KEYSTONE CEMENT CO	BATH, PA	53,579
35	ARD981512270	ASH GROVE CEMENT COMPANY	FOREMAN, AR	52,472
36	ARD069748192	ENSCO INC	EL DORADO, AR	48,233
37	NVD980895338	21ST CENTURY EMI DBA TRANSPORTER	FERNLEY, NV	47,994
38	OHD980613541	WASTE TECHNOLOGIES INDUSTRIES	EAST LIVERPOOL, OH	47,074
39	MID054683479	CITY ENVIRONMENTAL, INC.	DETROIT, MI	45,730
40	SCD003368891	HOLNAM INC	HOLLY HILL, SC	42,879
41	KSD980633259	SYSTECH ENVIRONMENTAL CORPORATION	FREDONIA, KS	42,573
42	OHD980587364	SAFETY-KLEEN CORP. - HEBRON	HEBRON, OH	42,488
43	COD991300484	HIGHWAY 36 LAND DEVELOPMENT CORP	DEER TRAIL, CO	42,137
44	MID000724724	DOW CHEMICAL CO-MIDLAND PLANT SITE	MIDLAND, MI	41,158
45	ARD981057870	RINECO	BENTON, AR	40,431
46	ALD070513767	M & M CHEMICAL & EQUIPMENT COMPANY, INC.	ATTALLA, AL	40,421
47	OHD987048733	LAFARGE CORPORATION	PAULDING, OH	39,488
48	OHD005048947	SYSTECH ENVIRONMENTAL CORP	PAULDING, OH	39,130
49	PAD083965897	MEDUSA CEMENT CO	WAMPUM, PA	38,058
50	TXD000742304	AMERICAN ECOLOGY ENVIRONMENTAL SERVICES	TYLER, TX	37,827
		TOTAL		4,328,975

Note: Columns may not sum due to rounding.

4.0 IMPORTS AND EXPORTS

Exhibits 4.1 and 4.2 present RCRA hazardous waste imports and exports, by EPA Region[1] and by State, respectively, in 1995. For a complete description of what is included in this report, please see the Executive Summary sections "RCRA Hazardous Waste" and "RCRA Hazardous Waste Shipments and Receipts." Only those quantities of waste that enter or leave the State are counted in this category.

In 1995, 3.4 million tons of RCRA hazardous waste were imported from other States. This is a decrease of 820 thousand tons compared with 1993. Receivers located in Region 6 reported importing the largest quantity of waste (1.2 million tons) and shippers located in Region 5 reported exporting the largest quantity of waste (4.6 million tons). Receivers located in Region 8 reported importing the smallest quantity of waste (59 thousand tons). Shippers located in Region 8 also reported exporting the smallest quantity of waste (100 thousand tons).

The five (5) States whose TSDs reported importing the most hazardous waste were Texas (630 thousand tons), Indiana (260 thousand tons), Michigan (260 thousand tons), Pennsylvania (220 thousand tons), and Louisiana (210 thousand tons). Together the TSDs in these States accounted for 46% of the national total of waste imports. Ten (10) States reported they did not have any TSDs that imported waste in 1995. The States are Alaska, the District of Columbia, Guam, Montana, Navajo Nation, New Hampshire, Trust Territories, Virgin Islands, Washington, and Wyoming.

Overall in 1995, 8.9 million tons of RCRA hazardous waste were exported to other States. This is a 2.2 million ton increase compared with 1993. The States whose shippers reported exporting the most hazardous waste were Minnesota (2.1 million tons), Illinois (1.7 million tons), and California (1.2 million tons). Together the shippers in these three (3) States accounted for 57% of the national total of hazardous waste exports.

[1]See Appendix C for information on which States are in each EPA Region.

Exhibit 4.1 **RCRA Hazardous Waste Imports and Exports, by EPA Region, 1995**

EPA REGION	IMPORTS (TONS)	EXPORTS (TONS)
1	69,745	233,082
2	103,792	534,912
3	253,792	474,552
4	513,042	771,128
5	888,216	4,557,799
6	1,163,117	681,403
7	108,589	119,581
8	58,604	100,447
9	133,877	1,291,422
10	145,779	172,302
TOTAL	**3,438,552**	**8,936,629**

Note: Columns may not sum due to rounding.

Exhibit 4.2 RCRA Hazardous Waste Imports and Exports, by State, 1995

STATE	IMPORTS (TONS)	EXPORTS (TONS)
ALABAMA	124,351	127,235
ALASKA	0	3,881
ARIZONA	12,197	38,184
ARKANSAS	206,558	220,268
CALIFORNIA	73,795	1,242,801
COLORADO	39,464	70,062
CONNECTICUT	26,360	96,323
DELAWARE	1,223	19,438
DISTRICT OF COLUMBIA	0	767
FLORIDA	16,867	60,061
GEORGIA	14,092	123,385
GUAM	0	402
HAWAII	29	3,185
IDAHO	32,846	2,247
ILLINOIS	179,853	1,707,972
INDIANA	258,321	232,938
IOWA	1,381	32,643
KANSAS	89,496	36,898
KENTUCKY	87,682	188,344
LOUISIANA	207,501	148,794
MAINE	737	5,844
MARYLAND	1,270	49,526
MASSACHUSETTS	22,484	93,085
MICHIGAN	257,487	198,271
MINNESOTA	18,664	2,111,569
MISSISSIPPI	12,137	38,916
MISSOURI	1,856	36,495
MONTANA	0	7,191
NAVAJO NATION	0	185
NEBRASKA	15,856	13,545
NEVADA	47,856	5,204
NEW HAMPSHIRE	0	14,250
NEW JERSEY	3,446	258,137
NEW MEXICO	55	7,588
NEW YORK	100,299	234,886
NORTH CAROLINA	24,104	72,579
NORTH DAKOTA	361	2,181
OHIO	173,802	274,937
OKLAHOMA	121,115	46,626
OREGON	112,933	23,567
PENNSYLVANIA	217,419	269,731
PUERTO RICO	47	38,681
RHODE ISLAND	19,518	12,285
SOUTH CAROLINA	201,551	91,427
SOUTH DAKOTA	101	1,096
TENNESSEE	32,257	69,182
TEXAS	627,887	258,127
TRUST TERRITORIES	0	1,462
UTAH	18,678	18,262
VERMONT	646	11,296
VIRGIN ISLANDS	0	3,208
VIRGINIA	30,999	61,954
WASHINGTON	0	142,607
WEST VIRGINIA	2,881	73,137
WISCONSIN	89	32,112
WYOMING	0	1,655
TOTAL	3,438,552	8,936,629

Note: Columns may not sum due to rounding.

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APPENDIX A

BRS SYSTEM TYPE CODES

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BRS SYSTEM TYPE CODES

Code	System type

METALS RECOVERY (FOR REUSE)

M011	High temperature metals recovery
M012	Retorting
M013	Secondary smelting
M014	Other metals recovery for reuse: e.g., ion exchange, reverse osmosis, acid leaching, etc. (Specify in Comments)
M019	Metals recovery - type unknown

SOLVENTS RECOVERY

M021	Fractionation/distillation
M022	Thin film evaporation
M023	Solvent extraction
M024	Other solvent recovery (Specify in Comments)
M029	Solvents recovery - type unknown

OTHER RECOVERY

M031	Acid regeneration
M032	Other recovery: e.g., waste oil recovery, nonsolvent organics recovery, etc. (Specify in Comments)
M039	Other recovery - type unknown

INCINERATION

M041	Incineration - liquids
M042	Incineration - sludges
M043	Incineration - solids
M044	Incineration - gases
M049	Incineration - type unknown

ENERGY RECOVERY (REUSE AS FUEL)

M051	Energy recovery - liquids
M052	Energy recovery - sludges
M053	Energy recovery - solids
M059	Energy recovery - type unknown

FUEL BLENDING

M061	Fuel blending

AQUEOUS INORGANIC TREATMENT

M071	Chrome reduction followed by chemical precipitation
M072	Cyanide destruction followed by chemical precipitation
M073	Cyanide destruction only
M074	Chemical oxidation followed by chemical precipitation
M075	Chemical oxidation only
M076	Wet air oxidation
M077	Chemical precipitation
M078	Other aqueous inorganic treatment: e.g., ion exchange, reverse osmosis, etc. (Specify in Comments)
M079	Aqueous inorganic treatment - type unknown

AQUEOUS ORGANIC TREATMENT

M081	Biological treatment
M082	Carbon adsorption
M083	Air/steam stripping
M084	Wet air oxidation
M085	Other aqueous organic treatment (Specify in Comments)
M089	Aqueous organic treatment - type unknown

AQUEOUS ORGANIC AND INORGANIC TREATMENT

M091	Chemical precipitation in combination with biological treatment
M092	Chemical precipitation in combination with carbon adsorption
M093	Wet air oxidation
M094	Other organic/inorganic treatment (Specify in Comments)
M099	Aqueous organic and inorganic treatment - type unknown

SLUDGE TREATMENT

M101	Sludge dewatering
M102	Addition of excess lime
M103	Absorption/adsorption
M104	Solvent extraction
M109	Sludge treatment - type unknown

BRS SYSTEM TYPE CODES
(Continued)

Code	System type
STABILIZATION	
M111	Stabilization/Chemical fixation using cementitious and/or pozzolanic materials
M112	Other stabilization (Specify in Comments)
M119	Stabilization - type unknown
OTHER TREATMENT	
M121	Neutralization only
M122	Evaporation only
M123	Settling/clarification only
M124	Phase separation (e.g., emulsion breaking, filtration) only
M125	Other treatment (Specify in Comments)
M129	Other treatment - type unknown
DISPOSAL	
M131	Land treatment/application/farming
M132	Landfill
M133	Surface impoundment (to be closed as a landfill)
M134	Deepwell/underground injection
M135	Direct discharge to sewer/POTW (no prior treatment)
M136	Direct discharge to surface water under NPDES (no prior treatment)
M137	Other disposal (Specify in Comments)
TRANSFER FACILITY STORAGE	
M141	Transfer facility storage, waste was shipped off site with no on-site TDR activity

APPENDIX B

BRS FORM CODES

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BRS FORM CODES

Code	System type

LAB PACKS

LAB PACKS - Lab packs of mixed wastes, chemicals, lab wastes

B001	Lab packs of old chemicals only
B002	Lab packs of debris only
B003	Mixed lab packs
B004	Lab packs containing acute hazardous wastes
B009	Other lab packs (Specify in Comments)

LIQUIDS

INORGANIC LIQUIDS - Waste that is primarily inorganic and highly fluid (e.g., aqueous), with low suspended inorganic solids and low organic content

B101	Aqueous waste with low solvents
B102	Aqueous waste with low other toxic organics
B103	Spent acid with metals
B104	Spent acid without metals
B105	Acidic aqueous waste
B106	Caustic solution with metals but no cyanides
B107	Caustic solution with metals and cyanides
B108	Caustic solution with cyanides but no metals
B109	Spent caustic
B110	Caustic aqueous waste
B111	Aqueous waste with reactive sulfides
B112	Aqueous waste with other reactives (e.g., explosives)
B113	Other aqueous waste with high dissolved solids
B114	Other aqueous waste with low dissolved solids
B115	Scrubber water
B116	Leachate
B117	Waste liquid mercury
B119	Other inorganic liquids (Specify in Comments)

ORGANIC LIQUIDS - Waste that is primarily organic and is highly fluid, with low inorganic solids content and low-to-moderate water content

B201	Concentrated solvent-water solution
B202	Halogenated (e.g., chlorinated) solvent
B203	Nonhalogenated solvent
B204	Halogenated/nonhalogenated solvent mixture
B205	Oil-water emulsion or mixture
B206	Waste oil
B207	Concentrated aqueous solution of other organics
B208	Concentrated phenolics
B209	Organic paint, ink, lacquer, or varnish
B210	Adhesives or epoxies
B211	Paint thinner or petroleum distillates
B212	Reactive or polymerizable organic liquid
B219	Other organic liquids (Specify in Comments)

SOLIDS

INORGANIC SOLIDS - Waste that is primarily inorganic and solid, with low organic content and low-to-moderate water content; not pumpable

B301	Soil contaminated with organics
B302	Soil contaminated with inorganics only
B303	Ash, slag, or other residue from incineration of wastes
B304	Other "dry" ash, slag, or thermal residue
B305	"Dry" lime or metal hydroxide solids chemically "fixed"
B306	"Dry" lime or metal hydroxide solids not "fixed"
B307	Metal scale, filings, or scrap
B308	Empty or crushed metal drums or containers
B309	Batteries or battery parts, casings, cores
B310	Spent solid filters or adsorbents
B311	Asbestos solids and debris
B312	Metal-cyanide salts/chemicals
B313	Reactive cyanide salts/chemicals
B314	Reactive sulfide salts/chemicals
B315	Other reactive salts/chemicals
B316	Other metal salts/chemicals
B319	Other waste inorganic solids (Specify in Comments)

ORGANIC SOLIDS - Waste that is primarily organic and solid, with low-to-moderate inorganic content and water content; not pumpable

B401	Halogenated pesticide solid
B402	Nonhalogenated pesticide solid
B403	Solid resins or polymerized organics
B404	Spent carbon
B405	Reactive organic solid
B406	Empty fiber or plastic containers

Code	System type
B407	Other halogenated organic solids (Specify in Comments)
B409	Other nonhalogenated organic solids (Specify in Comments)

SLUDGES

INORGANIC SLUDGES - Waste that is primarily inorganic, with moderate-to-high water content and low organic content, and pumpable

Code	System type
B501	Lime sludge without metals
B502	Lime sludge with metals/metal hydroxide sludge
B503	Wastewater treatment sludge with toxic organics
B504	Other wastewater treatment sludge
B505	Untreated plating sludge without cyanides
B506	Untreated plating sludge with cyanides
B507	Other sludge with cyanides
B508	Sludge with reactive sulfides
B509	Sludge with other reactives
B510	Degreasing sludge with metal scale or filings
B511	Air pollution control device sludge (e.g., fly ash, wet scrubber sludge)
B512	Sediment or lagoon dragout contaminated with organics
B513	Sediment or lagoon dragout contaminated with inorganics only
B514	Drilling mud
B515	Asbestos slurry or sludge
B516	Chloride or other brine sludge
B519	Other inorganic sludges (Specify in Comments)

ORGANIC SLUDGES - Waste that is primarily organic with low-to-moderate inorganic solids content and water content, and pumpable

Code	System type
B601	Still bottoms of halogenated (e.g., chlorinated) solvents or other organic liquids
B602	Still bottoms of nonhalogenated solvents or other organic liquids
B603	Oily sludge
B604	Organic paint or ink sludge
B605	Reactive or polymerizable organics
B606	Resins, tars, or tarry sludge
B607	Biological treatment sludge
B608	Sewage or other untreated biological sludge
B609	Other organic sludges (Specify in Comments)

GASES

INORGANIC GASES - Waste that is primarily inorganic with a low organic content and is a gas at atmospheric pressure

Code	System type
B701	Inorganic gases

ORGANIC GASES - Waste that is primarily organic with low-to-moderate inorganic content and is a gas at atmospheric pressure

Code	System type
B801	Organic gases

APPENDIX C

EPA STATE - REGION MAPPING

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EPA STATE - REGION MAPPING

EPA REGION	STATES IN REGION
REGION 1	Connecticut Maine Massachusetts New Hampshire Rhode Island Vermont
REGION 2	New Jersey New York Puerto Rico Virgin Islands
REGION 3	Delaware District of Columbia Maryland Pennsylvania Virginia West Virginia
REGION 4	Alabama Florida Georgia Kentucky Mississippi North Carolina South Carolina Tennessee
REGION 5	Illinois Indiana Michigan Minnesota Ohio Wisconsin
REGION 6	Arkansas Louisiana New Mexico Oklahoma Texas
REGION 7	Iowa Kansas Missouri Nebraska
REGION 8	Colorado Montana North Dakota South Dakota Utah Wyoming
REGION 9	Arizona California Guam Hawaii Navajo Nation Nevada Trust Territories
REGION 10	Alaska Idaho Oregon Washington

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APPENDIX D

EPA HAZARDOUS WASTE CODES

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Code	Waste description
CHARACTERISTICS OF HAZARDOUS WASTE	
D001	Ignitable waste
D002	Corrosive waste
D003	Reactive waste
D004	Arsenic
D005	Barium
D006	Cadmium
D007	Chromium
D008	Lead
D009	Mercury
D010	Selenium
D011	Silver
D012	Endrin(1,2,3,4,10,10-hexachloro-1,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-1,4-endo, endo-5,8-dimeth-ano-naphthalene)
D013	Lindane (1,2,3,4,5,6-hexa-chlorocyclohexane, gamma isomer)
D014	Methoxychlor (1,1,1-trichloro-2,2-bis [p-methoxyphenyl] ethane)
D015	Toxaphene ($C_{10}H_{10}Cl_8$, Technical chlorinated camphene, 67-69 percent chlorine)
D016	2,4-D (2,4-Dichlorophenoxyacetic acid)
D017	2,4,5-TP Silvex (2,4,5-Trichlorophenoxypropionic acid)
D018	Benzene
D019	Carbon tetrachloride
D020	Chlordane
D021	Chlorobenzene
D022	Chloroform
D023	o-Cresol
D024	m-Cresol
D025	p-Cresol
D026	Cresol
D027	1,4-Dichlorobenzene
D028	1,2-Dichloroethane
D029	1,1-Dichloroethylene
D030	2,4-Dinitrotoluene
D031	Heptachlor (and its epoxide)
D032	Hexachlorobenzene
D033	Hexachlorobutadiene
D034	Hexachloroethane
D035	Methyl ethyl ketone
D036	Nitrobenzene
D037	Pentachlorophenol
D038	Pyridine
D039	Tetrachloroethylene
D040	Trichlorethylene
D041	2,4,5-Trichlorophenol
D042	2,4,6-Trichlorophenol
D043	Vinyl chloride

EPA HAZARDOUS WASTE CODES
(Continued)

Code	Waste description
HAZARDOUS WASTE FROM NONSPECIFIC SOURCES	
F001	The following spent halogenated solvents used in degreasing: Tetrachloroethylene, trichlorethylene, methylene chloride, 1,1,1-trichloroethane, carbon tetrachloride and chlorinated fluorocarbons; all spent solvent mixtures/blends used in degreasing containing, before use, a total of ten percent or more (by volume) of one or more of the above halogenated solvents or those solvents listed in F002, F004, and F005; and still bottoms from the recovery of these spent solvents and spent solvent mixtures.
F002	The following spent halogenated solvents: Tetrachloroethylene, methylene chloride, trichloroethylene, 1,1,1-trichloroethane, chlorobenzene, 1,1,2-trichloro-1,2,2-trifluoroethane, ortho-dichlorobenzene, trichlorofluoromethane, and 1,1,2, trichloroethane; all spent solvent mixtures/blends containing, before use, a total of ten percent or more (by volume) of one or more of the above halogenated solvents or those solvents listed in F001, F004, and F005; and still bottoms from the recovery of these spent solvents and spent solvent mixtures.
F003	The following spent non-halogenated solvents: Xylene, acetone, ethyl acetate, ethyl benzene, ethyl ether, methyl isobutyl ketone, n-butyl alcohol, cyclohexanone, and methanol; all spent solvent mixtures/ blends containing, before use, only the above spent nonhalogenated solvents; and all spent solvent mixtures/blends containing, before use, one or more of the above nonhalogenated solvents, and a total of ten percent or more (by volume) of one or more of those solvents listed in F001, F002, F004, and F005; and still bottoms from the recovery of these spent solvents and spent solvent mixtures.
F004	The following spent nonhalogenated solvents: cresols, cresylic acid, and nitrobenzene; and the still bottoms from the recovery of these solvents; all spent solvent mixtures/blends containing, before use, a total of ten percent or more (by volume) of one or more of the above nonhalogenated solvents or those solvents listed in F001, F002, and F005; and still bottoms from the recovery of these spent solvents and spent solvent mixtures.
F005	The following spent nonhalogenated solvents: toluene, methyl ethyl ketone, carbon disulfide, isobutanol, pyridine, benzene, 2-ethoxyethanol, and 2-nitropropane; all spent solvent mixtures/blends containing, before use, a total of ten percent or more (by volume) of one or more of the above nonhalogenated solvents or those solvents listed in F001, F002, or F004; and still bottoms from the recovery of these spent solvents and spent solvent mixtures.
F006	Wastewater treatment sludges from electroplating operations except from the following processes: (1) sulfuric acid anodizing of aluminum; (2) tin plating on carbon steel; (3) zinc plating (segregated basis) on carbon steel; (4) aluminum or zinc-aluminum plating on carbon steel; (5) cleaning/stripping associated with tin, zinc, and aluminum plating on carbon steel; and (6) chemical etching and milling of aluminum.
F007	Spent cyanide plating bath solutions from electroplating operations.
F008	Plating bath residues from the bottom of plating baths from electroplating operations in which cyanides are used in the process.
F009	Spent stripping and cleaning bath solutions from electroplating operations in which cyanides are used in the process.

Code	Waste description
F010	Quenching bath residues from oil baths from metal heat treating operations in which cyanides are used in the process.
F011	Spent cyanide solutions from slat bath pot cleaning from metal heat treating operations.
F012	Quenching wastewater treatment sludges from metal heat treating operations in which cyanides are used in the process.
F019	Wastewater treatment sludges from the chemical conversion coating of aluminum except from zirconium phosphating in aluminum can washing when such phosphating is an exclusive conversion coating process.
F020	Wastes (except wastewater and spent carbon from hydrogen chloride purification) from the production or manufacturing use (as a reactant, chemical intermediate, or component in a formulating process) of tri- or tetrachlorophenol or of intermediates used to produce their pesticide derivatives. (This listing does not include wastes from the production of hexachlorophene from highly purified 2,4,5-trichlorophenol.)
F021	Wastes (except wastewater and spent carbon from hydrogen chloride purification) from the production or manufacturing use (as a reactant, chemical intermediate, or component in a formulating process) of pentachlorophenol, or of intermediates used to produce derivatives.
F022	Wastes (except wastewater and spent carbon from hydrogen chloride purification) from the manufacturing use (as a reactant, chemical intermediate, or component in a formulating process) of tetra-, penta-, or hexachlorobenzenes under alkaline conditions.
F023	Wastes (except wastewater and spent carbon from hydrogen chloride purification) from the production of materials on equipment previously used for the production or manufacturing use (as a reactant, chemical intermediate, or component in a formulating process) of tri- and tetrachlorophenols. (This listing does not include wastes from equipment used only for the production or use of hexachlorophene from highly purified 2,4,5-trichlorophenol.)
F024	Process wastes including, but not limited to, distillation residues, heavy ends, tars, and reactor clean-out wastes, from the production of certain chlorinated aliphatic hydrocarbons by free radical catalyzed processes. These chlorinated aliphatic hydrocarbons are those having carbon chain lengths ranging from one to and including five, with varying amounts and positions of chlorine substitution. (This listing does not include wastewaters, wastewater treatment sludge, spent catalysts, and wastes listed in Sections 261.31. or 261.32)
F025	Condensed light ends, spent filters and filter aids, and spent desiccant wastes from the production of certain chlorinated aliphatic hydrocarbons, by free radical catalyzed processes. These chlorinated aliphatic hydrocarbons are those having carbon chain lengths ranging from one, to and including five, with varying amounts and positions of chlorine substitution.
F026	Wastes (except wastewater and spent carbon from hydrogen chloride purification) from the production of materials on equipment previously used for the manufacturing use (as a reactant, chemical intermediate, or component in a formulating process) of tetra-, penta-, or hexachlorobenzene under alkaline conditions.

EPA HAZARDOUS WASTE CODES
(Continued)

Code	Waste description
F027	Discarded unused formulations containing tri-, tetra-, or pentachlorophenol or discarded unused formulations containing compounds derived from these chlorophenols. (This listing does not include formulations containing hexachlorophene synthesized from prepurified 2,4,5-trichlorophenol as the sole component.)
F028	Residues resulting from the incineration or thermal treatment of soil contaminated with EPA hazardous waste nos. F020, F021, F022, F023, F026, and F027.
F032	Wastewaters, process residuals, preservative drippage, and spent formulations from wood preserving processes generated at plants that currently use, or have previously used, chlorophenolic formulations [except potentially cross-contaminated wastes that have had the F032 waste code deleted in accordance with Section 261.35 (i.e., the newly promulgated equipment cleaning or replacement standards), and where the generator does not resume or initiate use of chlorophenolic formulations]. (This listing does not include K001 bottom sediment sludge from the treatment of wastewater from wood preserving processes that use creosote and/or pentachlorophenol.)
F034	Wastewaters, process residuals, preservative drippage, and spent formulations from wood preserving processes generated at plants that use creosote formulations. This listing does not include K001 bottom sediment sludge from the treatment of wastewater from wood preserving processes that use creosote and/or pentachlorophenol.
F035	Wastewaters, process residuals, preservative drippage, and spent formulations from wood preserving processes generated at plants that use inorganic preservatives containing arsenic or chromium. This listing does not include K001 bottom sediment sludge from the treatment of wastewater from wood preserving processes that use creosote and/or pentachlorophenol.
F037	Petroleum refinery primary oil/water/solids separation sludge - Any sludge generated from the gravitational separation of oil/water/solids during the storage or treatment of process wastewaters and oily cooling wastewaters from petroleum refineries. Such sludges include, but are not limited to, those generated in oil/water/solids separators; tanks and impoundments; ditches and other conveyances; sumps; and storm water units receiving dry weather flow. Sludges generated in storm water units that do not receive dry weather flow, sludges generated in aggressive biological treatment units as defined in Section 261.31(b)(2)(including sludges generated in one or more additional units after wastewaters have been treated in aggressive biological treatment units), and K051 wastes are exempted from this listing.

Code	Waste description
F038	Petroleum refinery secondary (emulsified) oil/water/solids separation sludge - Any sludge and/or float generated from the physical and/or chemical separation of oil/water/solids in process wastewaters and oily cooling wastewaters from petroleum refineries. Such wastes include, but are not limited to, all sludges and floats generated in induced air flotation (IAF) units, tanks and impoundments, and all sludges generated in DAF units. Sludges generated in stormwater units that do not receive dry weather flow, sludges generated in aggressive biological treatment units as defined in Section 261.31(b)(2) (including sludges generated in one or more additional units after wastewaters have been treated in aggressive biological treatment units), and F037, K048, and K051 wastes are exempted from this listing.
F039	Leachate resulting from the treatment, storage, or disposal of wastes classified by more than one waste code under Subpart D, or from a mixture of wastes classified under Subparts C and D of this part. (Leachate resulting from the management of one or more of the following EPA Hazardous Wastes and no other hazardous wastes retains its hazardous waste code(s): F020, F021, F022, F023, F026, F027, and/or F028.)

HAZARDOUS WASTE FROM SPECIFIC SOURCES

Code	Waste description
K001	Bottom sediment sludge from the treatment of wastewaters from wood preserving processes that use creosote and/or pentachlorophenol.
K002	Wastewater treatment sludge from the production of chrome yellow and orange pigments.
K003	Wastewater treatment sludge from the production of molybdate orange pigments.
K004	Wastewater treatment sludge from the production of zinc yellow pigments.
K005	Wastewater treatment sludge from the production of chrome green pigments.
K006	Wastewater treatment sludge from the production of chrome oxide green pigments (anhydrous and hydrated).
K007	Wastewater treatment sludge from the production of iron blue pigments.
K008	Oven residue from the production of chrome oxide green pigments.
K009	Distillation bottoms from the production of acetaldehyde from ethylene.
K010	Distillation side cuts from the production of acetaldehyde from ethylene.
K011	Bottom stream from the wastewater stripper in the production of acrylonitrile.
K013	Bottom stream from the acetonitrile column in the production of acrylonitrile.
K014	Bottoms from the acetonitrile purification column in the production of acrylonitrile.
K015	Still bottoms from the distillation of benzyl chloride.
K016	Heavy ends or distillation residues from the production of carbon tetrachloride.
K017	Heavy ends (still bottoms) from the purification column in the production of epichlorohydrin.
K018	Heavy ends from the fractionation column in ethyl chloride production.
K019	Heavy ends from the distillation of ethylene dichloride in ethylene dichloride production.

EPA HAZARDOUS WASTE CODES
(Continued)

Code	Waste description
K020	Heavy ends from the distillation of vinyl chloride in vinyl chloride monomer production.
K021	Aqueous spent antimony catalyst waste from fluoromethane production.
K022	Distillation bottom tars from the production of phenol/acetone from cumene.
K023	Distillation light ends from the production of phthalic anhydride from naphthalene.
K024	Distillation bottoms from the production of phthalic anhydride from naphthalene.
K025	Distillation bottoms from the production of nitrobenzene by the nitration of benzene.
K026	Stripping still tails from the production of methyl ethyl pyridines.
K027	Centrifuge and distillation residues from toluene diisocyanate production.
K028	Spent catalyst from the hydrochlorinator reactor in the production of 1,1,1-trichloroethane.
K029	Waste from the product steam stripper in the production of 1,1,1-trichloroethane.
K030	Column bottoms or heavy ends from the combined production of trichloroethylene and perchloroethylene.
K031	By-product salts generated in the production of MSMA and cacodylic acid.
K032	Wastewater treatment sludge from the production of chlordane.
K033	Wastewater and scrub water from the chlorination of cyclopentadiene in the production of chlordane.
K034	Filter solids from the filtration of hexachlorocyclopentadiene in the production of chlordane.
K035	Wastewater treatment sludges generated in the production of creosote.
K036	Still bottoms from toluene reclamation distillation in the production of disulfoton.
K037	Wastewater treatment sludges from the production of disulfoton.
K038	Wastewater from the washing and stripping of phorate production.
K039	Filter cake from the filtration of diethylphosphorodithioic acid in the production of phorate.
K040	Wastewater treatment sludge from the production of phorate.
K041	Wastewater treatment sludge from the production of toxaphene.
K042	Heavy ends or distillation residues from the distillation of tetrachlorobenzene in the production of 2,4,5-T.
K043	2,6-dichlorophenol waste from the production of 2,4-D.
K044	Wastewater treatment sludges from the manufacturing and processing of explosives.
K045	Spent carbon from the treatment of wastewater containing explosives.
K046	Wastewater treatment sludges from the manufacturing, formulation, and loading of lead-based initiating compounds.
K047	Pink/red water from TNT operations.
K048	Dissolved air flotation (DAF) float from the petroleum refining industry.

Code	Waste description
K049	Slop oil emulsion solids from the petroleum refining industry.
K050	Heat exchanger bundle cleaning sludge from the petroleum refining industry.
K051	API separator sludge from the petroleum refining industry.
K052	Tank bottoms (leaded) from the petroleum refining industry.
K060	Ammonia still lime sludge from coking operations.
K061	Emission control dust/sludge from the primary production of steel in electric furnaces.
K062	Spent pickle liquor from steel finishing operations of plants that produce iron or steel.
K064	Acid plant blowdown slurry/sludge resulting from the thickening of blowdown slurry from primary copper production.
K065	Surface impoundment solids contained in and dredged from surface impoundments at primary lead smelting facilities.
K066	Sludge from treatment of process wastewater and/or acid plant blowdown from primary zinc production.
K069	Emission control dust/sludge from secondary lead smelting.
K071	Brine purification muds from the mercury cell process in chlorine production, in which separately prepurified brine is not used.
K073	Chlorinated hydrocarbon waste from the purification step of the diaphragm cell process using graphite anodes in chlorine production.
K083	Distillation bottoms from aniline production.
K084	Wastewater treatment sludges generated during the production of veterinary pharmaceuticals from arsenic or organo-arsenic compounds.
K085	Distillation or fractionation column bottoms from the production of chlorobenzenes.
K086	Solvent washes and sludges, caustic washes and sludges, or water washes and sludges from cleaning tubs and equipment used in the formulation of ink from pigments, driers, soaps, and stabilizers containing chromium and lead.
K087	Decanter tank tar sludge from coking operations.
K088	Spent potliners from primary aluminum reduction.
K090	Emission control dust or sludge from ferrochromiumsilicon production.
K091	Emission control dust or sludge from ferrochromium production.
K093	Distillation light ends from the production of phthalic anhydride from ortho-xylene.
K094	Distillation bottoms from the production of phthalic anhydride from ortho-xylene.
K095	Distillation bottoms from the production of 1,1,1-trichloroethane.
K096	Heavy ends from the heavy ends column from the production of 1,1,1-trichloroethane.
K097	Vacuum stripper discharge from the chlordane chlorinator in the production of chlordane.

EPA HAZARDOUS WASTE CODES
(Continued)

Code	Waste description
K098	Untreated process wastewater from the production of toxaphene.
K099	Untreated wastewater from the production of 2,4-D.
K100	Waste leaching solution from acid leaching of emission control dust/sludge from secondary lead smelting.
K101	Distillation tar residues from the distillation of aniline-based compounds in the production of veterinary pharmaceuticals from arsenic or organo-arsenic compounds.
K102	Residue from the use of activated carbon for decolorization in the production of veterinary pharmaceuticals from arsenic or organo-arsenic compounds.
K103	Process residues from aniline extraction from the production of aniline.
K104	Combined wastewaters generated from nitrobenzene/aniline production.
K105	Separated aqueous stream from the reactor product washing step in the production of chlorobenzenes.
K106	Wastewater treatment sludge from the mercury cell process in chlorine production.
K107	Column bottoms from product separation from the production of 1,1-dimethylhydrazine (UDMH) from carboxylic acid hydrazides.
K108	Condensed column overheads from product separation and condensed reactor vent gases from the production of 1,1-dimethylhydrazine from carboxylic acid hydrazides.
K109	Spent filter cartridges from product purification from the product of 1,1-dimethylhydrazine from carboxylic acid hydrazides.
K110	Condensed column overheads from intermediate separation from the production of 1,1-dimethylhydrazine from carboxylic acid hydrazides.
K111	Product washwaters from the production of dinitrotoluene via nitration of toluene.
K112	Reaction by-product water from the drying column in the production of toluenediamine via hydrogenation of dinitrotoluene.
K113	Condensed liquid light ends from purification of toluenediamine in production of toluenediamine via hydrogenation of dinitrotoluene.
K114	Vicinals from the purification of toluenediamine in production of toluenediamine via hydrogenation of dinitrotoluene.
K115	Heavy ends from purification of toluenediamine in the production of toluenediamine via hydrogenation of dinitrotoluene.
K116	Organic condensate from the solvent recovery column in the production of toluene diisocyanate via phosgenation of toluenediamine.
K117	Wastewater from the reactor vent gas scrubber in the production of ethylene dibromide via bromination of ethene.
K118	Spent adsorbent solids from purification of ethylene dibromide in the production of ethylene dibromide via bromination of ethene.

Code	Waste description
K123	Process wastewater (including supernates, filtrates, and washwaters) from the production of ethylenebisdithiocarbamic acid and its salts.
K124	Reactor vent scrubber water from the production of ethylenebisdithiocarbamic acid and its salts.
K125	Filtration, evaporation, and centrifugation solids from the production of ethylenebisdithiocarbamic acid and its salts.
K126	Baghouse dust and floor sweepings in milling and packaging operations from production or formulation of ethylenebisdithiocarbamic acid and its salts.
K131	Wastewater from the reactor and spent sulfuric acid from the acid dryer from the production of methyl bromide.
K132	Spent absorbent and wastewater separator solids from the production of methyl bromide.
K136	Still bottoms from the purification of ethylene dibromide in the production of ethylene dibromide via bromination of ethene.
K141	Process residues from the recovery of coal tar, including, but not limited to, tar collecting sump residues from the production of coke from coal or the recovery of coke by-products produced from coal. This listing does not include K087 (decanter tank sludge from coking operations).
K142	Tank storage residues from the production of coke from coal or from the recovery of coke by-products from coal.
K143	Process residues from the recovery of light oil, including, but not limited to, those generated in stills, decanters, and wash oil recovery units from the recovery of coke by-products produced from coal.
K144	Wastewater sump residues from light oil refining, including, but not limited to, intercepting or contamination sump sludges from the recovery of coke by-products produced from coal.
K145	Residues from naphthalene collection and recovery operations from the recovery of coke by-products produced from coal.
K147	Tar storage residues from coal tar refining.
K148	Residues from coal tar distillation, including, but not limited to, still bottoms.
K149	Distillation bottoms from the production of alpha (or methyl-) chlorinated tolunes, ring-chlorinated tolunes, benzoyl chlorides, and compounds with mixtures of these functional groups. [This waste does not include still bottoms from the distillation of benzoyl chloride]
K150	Organic residules excluding spent carbon adsorbent, from the spent chlorine gas and hydrochloric acid recovery processes associated with the production of alpha (or methyl-) chlorinated tolunes, benzoyl chlorides, and compounds with mixtures of these functional groups.
K151	Wastewater treatment sludges, excluding neutralization and biological sludges, generated during the treatment of wastewaters from the production of alpha (or methyl-) chlorinated tolunes, benzoyl chlorides, and compounds with mixtures of these functional groups.

EPA HAZARDOUS WASTE CODES
(Continued)

Code	Waste description
K156	Organic waste (including heavy ends, still bottoms, light ends, spent solvents, filtrates, and decantates) from the production of carbamates and carbamoyl oximes.
K157	Wastewaters (including scrubber waters, condenser waters, washwaters, and separation waters) from the production of carbamates and carbamoyl oximes.
K158	Bag house dusts and filter/separation solids from the production of carbamates and carbamoyl oximes.
K159	Organics from the treatment of thiocarbamate wastes.
K160	Solids (including filter wastes, separation solids, and spent catalysts) from the production of thiocarbamates and solids from the treatment of thiocarbamate wastes.
K161	Purification solids (including filtration, evaporation, and centrifugation solids), bag house dust and floor sweepings from the production of dithiocarbamate acids and their salts. (This listing does not include K125 or K126).

DISCARDED COMMERCIAL CHEMICAL PRODUCTS, OFF-SPECIFICATION SPECIES, CONTAINER RESIDUALS, AND SPILL RESIDUES THEREOF—ACUTE HAZARDOUS WASTE

(AN ALPHABETIZED LISTING CAN BE FOUND AT 40 CFR 261.33.)

Code	Waste description
P001	2H-1-Benzopyran-2-one, 4-hydroxy-3-(3-oxo-1-phenylbutyl)-, & salts, when present at concentrations greater than 0.3%
P001	Warfarin, & salts, when present at concentrations greater than 0.3%
P002	1-Acetyl-2-thiourea
P002	Acetamide, N-(aminothioxomethyl)-
P003	2-Propenal
P003	Acrolein
P004	1,4,5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexa-chloro-1,4,4a,5,8,8a,-hexahydro-, (1alpha, 4alpha, 4abeta, 5alpha, 8alpha, 8abeta)-
P004	Aldrin
P005	2-Propen-1-ol
P005	Allyl alcohol
P006	Aluminum phosphide (R,T)
P007	3(2H)-Isoxazolone, 5-(aminomethyl)-
P007	5-(Aminomethyl)-3-isoxazolol
P008	4-Aminopyridine
P008	4-Pyridinamine
P009	Ammonium picrate (R)
P009	Phenol, 2,4,6-trinitro-, ammonium salt (R)
P010	Arsenic acid H_3AsO_4
P011	Arsenic oxide As_2O_5
P011	Arsenic pentoxide
P012	Arsenic oxide As_2O_3
P012	Arsenic trioxide
P013	Barium cyanide
P014	Benzenethiol
P014	Thiophenol
P015	Beryllium

Code	Waste description
P016	Dichloromethyl ether
P016	Methane, oxybis[chloro-
P017	2-Propanone, 1-bromo-
P017	Bromoacetone
P018	Brucine
P018	Strychnidin-10-one, 2,3-dimethoxy-
P020	Dinoseb
P020	Phenol, 2-(1-methylpropyl)-4,6-dinitro-
P021	Calcium cyanide
P021	Calcium cyanide $Ca(CN)_2$
P022	Carbon disulfide
P023	Acetaldehyde, chloro-
P023	Chloroacetaldehyde
P024	Benzenamine, 4-chloro-
P024	p-Chloraniline
P026	1-(o-Chlorophenyl)thiourea
P026	Thiourea, (2-chlorophenyl)-
P027	3-Chloropropionitrile
P027	Propanenitrile, 3-chloro-
P028	Benzene, (chloromethyl)-
P028	Benzyl chloride
P029	Copper cyanide
P029	Copper cyanide Cu(CN)
P030	Cyanides (soluble cyanide salts), not otherwise specified
P031	Cyanogen
P031	Ethanedinitrile
P033	Cyanogen chloride
P033	Cyanogen chloride (CN)Cl
P034	2-Cyclohexyl-4,6-dinitrophenol
P034	Phenol, 2-cyclohexyl-4,6-dinitro-
P036	Arsonous dichloride, phenyl-
P036	Dichlorophenylarsine
P037	2,7:3,6-Dimethanonaphth[2,3-b]oxirene, 3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-, (1aalpha, 2beta, 2aalpha, 3beta, 6beta, 6aalpha, 7beta, 7aalpha)-
P037	Dieldrin
P038	Arsine, diethyl-
P038	Diethylarsine
P039	Disulfoton
P039	Phosphorodithioic acid, O,O-diethyl S-[2-(ethylthio)ethyl] ester
P040	O,O-Diethyl O-pyrazinyl phosphorothioate
P040	Phosphorothioic acid, O,O-diethyl O-pyrazinyl ester
P041	Diethyl-p-nitrophenyl phosphate
P041	Phosphoric acid, diethyl 4-nitrophenyl ester
P042	1,2-Benzenediol, 4-[1-hydroxy-2-(methylamino)ethyl]-, (R)-
P042	Epinephrine
P043	Diisopropylfluorophosphate (DFP)

EPA HAZARDOUS WASTE CODES
(Continued)

Code	Waste description
P043	Phosphorofluoridic acid, bis(1-methylethyl) ester
P044	Dimethoate
P044	Phosphorodithioic acid, O,O-dimethyl S-[2-(methylamino)-2-oxoethyl] ester
P045	2-Butanone, 3,3-dimethyl-1-(methylthio)-, O-[methylamino)carbonyl] oxime
P045	Thiofanox
P046	alpha,alpha-Dimethylphenethylamine
P046	Benzeneethanamine, alpha, alpha-dimethyl-
P047	4,6-Dinitro-o-cresol, & salts
P047	Phenol, 2-methyl-4,6-dinitro-, & salts
P048	2,4-Dinitrophenol
P048	Phenol, 2,4-dinitro-
P049	Dithiobiuret
P049	Thioimidodicarbonic diamide $[(H_2N)C(S)]_2NH$
P050	6,9-Methano-2,4,3-benzodioxathiepin,6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a-hexahydro-,3-oxide
P050	Endosulfan
P051	2,7:3,6-Dimethanonaphth[2,3-b]oxirene, 3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-, (1aalpha, 2beta, 2abeta, 3alpha, 6alpha, 6abeta, 7beta, 7aalpha)- & metabolites
P051	Endrin
P051	Endrin, & metabolites
P054	Aziridine
P054	Ethyleneimine
P056	Fluorine
P057	Acetamide, 2-fluoro-
P057	Fluoroacetamide
P058	Acetic acid, fluoro-, sodium salt
P058	Fluoroacetic acid, sodium salt
P059	4,7-Methano-1H-indene, 1,4,5,6,7,8,8-heptachloro-3a,4,7,7a-tetrahydro-
P059	Heptachlor
P060	1,4,5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexa-chloro-1,4,4a,5,8,8a,-hexahydro-, (1alpha, 4alpha, 4abeta, 5beta, 8beta, 8abeta)-
P060	Isodrin
P062	Hexaethyl tetraphosphate
P062	Tetraphosphoric acid, hexaethyl ester
P063	Hydrocyanic acid
P063	Hydrogen cyanide
P064	Methane, isocyanato-
P064	Methyl isocyanate
P065	Fulminic acid, mercury(2+) salt (R,T)
P065	Mercury fulminate (R,T)
P066	Ethanimidothioic acid, N-[[(methylamino)carbonyl]oxy]-, methyl ester
P066	Methomyl
P067	1,2-Propylenimine
P067	Aziridine, 2-methyl-

Code	Waste description
P068	Hydrazine, methyl-
P068	Methyl hydrazine
P069	2-Methyllactonitrile
P069	Propanenitrile, 2-hydroxy-2-methyl-
P070	Aldicarb
P070	Propanal, 2-methyl-2-(methylthio)-, O-[(methylamino)carbonyl]oxime
P071	Methyl parathion
P071	Phosphorothioic acid, O,O,-dimethyl O-(4-nitrophenyl) ester
P072	alpha-Naphthylthiourea
P072	Thiourea, 1-naphthalenyl-
P073	Nickel carbonyl
P073	Nickel carbonyl $Ni(CO)_4$, (T-4)-
P074	Nickel cyanide
P074	Nickel cyanide $Ni(CN)_2$
P075	Nicotine, & salts
P075	Pyridine, 3-(1-methyl-2-pyrrolidinyl)-,(S)-, & salts
P076	Nitric oxide
P076	Nitrogen oxide NO
P077	Benzenamine, 4-nitro-
P077	p-Nitroaniline
P078	Nitrogen dioxide
P078	Nitrogen oxide NO_2
P081	1,2,3-Propanetriol, trinitrate (R)
P081	Nitroglycerine (R)
P082	Methanimine, N-methyl-N-nitroso-
P082	N-Nitrosodimethylamine
P084	N-Nitrosomethylvinylamine
P084	Vinylamine, N-methyl-N-nitroso-
P085	Diphosphoramide, octamethyl-
P085	Octamethylpyrophosphoramide
P087	Osmium oxide OsO_4, (T-4)-
P087	Osmium tetroxide
P088	7-Oxabicyclo[2.2.1]heptane-2,3-dicarboxylic acid
P088	Endothall
P089	Parathion
P089	Phosphorothioic acid, O,O-diethyl-O-(4-nitrophenyl) ester
P092	Mercury, (acetato-O)phenyl-
P092	Phenylmercury acetate
P093	Phenylthiourea
P093	Thiourea, phenyl-
P094	Phorate
P094	Phosphorodithioic acid, O,O-diethyl S-[(ethylthio)methyl] ester
P095	Carbonic dichloride
P095	Phosgene
P096	Hydrogen phosphide
P096	Phosphine

EPA HAZARDOUS WASTE CODES
(Continued)

Code	Waste description
P097	Famphur
P097	Phosphorothioic acid O-[4-[(dimethylamino)sulfonyl]phenyl] O,O-dimethyl ester
P098	Potassium cyanide
P098	Potassium cyanide K(CN)
P099	Argentate (1-), bis(cyano-C)-, potassium
P099	Potassium silver cyanide
P101	Ethyl cyanide
P101	Propanenitrile
P102	2-Propyn-1-ol
P102	Propargyl alcohol
P103	Selenourea
P104	Silver cyanide
P104	Silver cyanide Ag(CN)
P105	Sodium azide
P106	Sodium cyanide
P106	Sodium cyanide Na(CN)
P107	Strontium sulfide SrS
P108	Strychnidin-10-one, & salts
P108	Strychnine, & salts
P109	Tetraethyldithiopyrophosphate
P109	Thiodiphosphoric acid, tetraethyl ester
P110	Plumbane, tetraethyl-
P110	Tetraethyl lead
P111	Diphosphoric acid, tetraethyl ester
P111	Tetraethyl pyrophosphate
P112	Methane, tetranitro- (R)
P112	Tetranitromethane (R)
P113	Thallic oxide
P113	Thallium oxide Tl_2O_3
P114	Selenious acid, dithallium (1+) salt
P114	Thallium(I) selenite
P115	Sulfuric acid, dithallium (1+) salt
P115	Thallium(I) sulfate
P116	Hydrazinecarbothioamide
P116	Thiosemicarbazide
P118	Methanethiol, trichloro-
P118	Trichloromethanethiol
P119	Ammonium vanadate
P119	Vanadic acid, ammonium salt
P120	Vanadium oxide V_2O_5
P120	Vanadium pentoxide
P121	Zinc cyanide
P121	Zinc cyanide $Zn(CN)_2$
P122	Zinc phosphide Zn_3P_2, when present at concentrations greater than 10% (R,T)
P123	Toxaphene
P127	7-Benzofuranol, 2,3-dihydro-2,2-dimethyl-, methylcarbamate
P127	Carbofuran

Code	Waste description
P128	Phenol, 4-(dimethylamino)-3,5-dimethyl-, methylcarbamate (ester)
P185	1,3-Dithiolane-2-carboxaldehyde, 2,4-dimethyl-, O- [(methylamino)-carbonyl]oxime
P185	Tirpate
P188	Benzoic acid, 2-hydroxy-, compd. with (3aS-cis)-1,2,3,3a,8,8a-hexahydro-1,3a,8-trimethylpyrrolo[2,3-b]indol-5-yl methylcarbamate ester (1:1)
P188	Physostigmine salicylate
P189	Carbamic acid, [(dibutylamino)-thio]methyl-, 2,3-dihydro-2,2-dimethyl -7-benzofuranyl ester
P189	Carbosulfan
P190	Carbamic acid, methyl-, 3-methylphenyl ester
P190	Metolcarb
P191	Carbamic acid, dimethyl-, 1-[(dimethyl-amino)carbonyl]- 5-methyl-1H- pyrazol-3-yl ester
P191	Dimetilan
P192	Isolan
P192	Carbamic acid, dimethyl-, 3-methy-l-(1-methylethyl)-1H- pyrazol-5-yl ester
P194	Ethanimidothioc acid, 2-(dimethylamino)-N-[[(methylamino) carbonyl]oxy]-2-oxo-, methyl ester
P194	Oxamyl
P196	Manganese dimethyldithiocarbamate
P196	Manganese, bis(dimethylcarbamodithioato-S,S')-,
P197	Formparanate
P197	Methanimidamide, N,N-dimethyl-N'-[2-methyl-4-[[(methylamino)carbonyl]oxy]phenyl]-
P198	Methanimidamide, N,N-dimethyl-N'-[3-[[(methylamino)-carbonyl]oxy]phenyl]-, monohydrochloride
P198	Formetanate hydrochloride
P199	Methiocarb
P199	Mexacarbate
P199	Phenol, (3,5-dimethyl-4-(methylthio)-, methylcarbamate
P201	Phenol, 3-methyl-5-(1-methylethyl)-, methyl carbamate
P201	Promecarb
P202	m-Cumenyl methylcarbamate
P202	3-Isopropylphenyl N-methylcarbamate
P202	Phenol, 3-(1-methylethyl)-, methyl carbamate
P203	Aldicarb sulfone
P203	Propanal, 2-methyl-2-(methyl-sulfonyl)-, O-[(methylamino)carbonyl] oxime
P204	Physostigmine
P204	Pyrrolo[2,3-b]indol-5-ol, 1,2,3,3a,8,8a-hexahydro-1,3a,8-trimethyl-methylcarbamate (ester), (3aS-cis)-
P205	Zinc, bis(dimethylcarbamodithioato-S,S')-,
P205	Ziram

EPA HAZARDOUS WASTE CODES
(Continued)

Code	Waste description
DISCARDED COMMERCIAL CHEMICAL PRODUCTS, OFF-SPECIFICATION SPECIES, CONTAINER RESIDUES, AND SPILL RESIDUES THEREOF—TOXIC WASTES	
(AN ALPHABETIZED LISTING CAN BE FOUND AT 40 CFR 261.33.)	
	2,3,4,6-Tetrachlorophenol
	2,4,5-T
	2,4,5-Trichlorophenol
	2,4,6-Trichlorophenol
	Acetic acid, (2,4,5-trichlorophenoxy)-
	Pentachlorophenol
See	Phenol, 2,3,4,6-tetrachloro-
F027	Phenol, 2,4,5-trichloro-
	Phenol, 2,4,6-trichloro-
	Phenol, pentachloro-
	Propanoic acid, 2-(2,4,5-
	trichlorophenoxy)-
	Silvex (2,4,5-TP)
U001	Acetaldehyde (I)
U001	Ethanal (I)
U002	2-Propanone (I)
U002	Acetone (I)
U003	Acetonitrile (I,T)
U004	Acetophenone
U004	Ethanone, 1-phenyl-
U005	2-Acetylaminofluorene
U005	Acetamide, N-9H-fluoren-2-yl
U006	Acetyl chloride (C,R,T)
U007	2-Propenamide
U007	Acrylamide
U008	2-Propenoic acid (I)
U008	Acrylic acid (I)
U009	2-Propenenitrile
U009	Acrylonitrile
U010	Azirino [2',3':3,4]pyrrolo[1,2-a]indole-4,7-dione, 6-amino-8-[[(aminocarbonyl)oxy]methyl]-1,1a,2,8,8a,8b-hexahydro-8a-methoxy-5-methyl-, [1aS-(1aalpha, 8beta, 8aalpha, 8balpha)]-
U010	Mitomycin C
U011	1H-1,2,4-Triazol-3-amine
U011	Amitrole
U012	Aniline (I,T)
U012	Benzenamine (I,T)
U014	Auramine
U014	Benzenamine, 4,4'-carbonimidoylbis[N,N-dimethyl-
U015	Azaserine
U015	L-Serine, diazoacetate (ester)
U016	Benz[c]acridine
U017	Benzal chloride
U017	Benzene, (dichloromethyl)-
U018	Benz[a]anthracene

Code	Waste description
U019	Benzene (I,T)
U020	Benzenesulfonic acid chloride (C,R)
U020	Benzenesulfonyl chloride (C,R)
U021	[1,1'-Biphenyl]-4,4'-diamine
U021	Benzidine
U022	Benzo[a]pyrene
U023	Benzene, (trichloromethyl)-
U023	Benzotrichloride (C,R,T)
U024	Dichloromethoxy ethane
U024	Ethane, 1,1'-[methylenebis(oxy)]bis[2-chloro-
U025	Dichloroethyl ether
U025	Ethane, 1,1'-oxybis[2-chloro-
U026	Chlornaphazin
U026	Naphthalenamine, N,N'-bis(2-chloroethyl)-
U027	Dichloroisopropyl ether
U027	Propane, 2,2'-oxybis[2-chloro-
U028	1,2-Benzenedicarboxylic acid, bis(2-ethylhexyl) ester
U028	Diethylhexyl phthalate
U029	Methane, bromo-
U029	Methyl bromide
U030	4-Bromophenyl phenyl ether
U030	Benzene, 1-bromo-4-phenoxy-
U031	1-Butanol (I)
U031	n-Butyl alcohol (I)
U032	Calcium chromate
U032	Chromic acid H_2CrO_4, calcium salt
U033	Carbon oxyfluoride (R,T)
U033	Carbonic difluoride
U034	Acetaldehyde, trichloro-
U034	Chloral
U035	Benzenebutanoic acid, 4-[bis(2-chloroethyl)amino]-
U035	Chlorambucil
U036	4,7-Methano-1H-indene, 1,2,4,5,6,7,8,8-octachloro-2,3,3a,4,7,7a-hexahydro-
U036	Chlordane, alpha & gamma isomers
U037	Benzene, chloro-
U037	Chlorobenzene
U038	Benzeneacetic acid, 4-chloro-alpha-(4-chlorophenyl)-alpha-hydroxy-, ethyl ester
U038	Chlorobenzilate
U039	p-Chloro-m-cresol
U039	Phenol, 4-chloro-3-methyl-
U041	Epichlorohydrin
U041	Oxirane, (chloromethyl)-
U042	2-Chloroethyl vinyl ether
U042	Ethene, (2-chloroethoxy)-
U043	Ethene, chloro-
U043	Vinyl chloride
U044	Chloroform
U044	Methane, trichloro-

EPA HAZARDOUS WASTE CODES
(Continued)

Code	Waste description
U045	Methane, chloro- (I,T)
U045	Methyl chloride (I,T)
U046	Chloromethyl methyl ether
U046	Methane, chloromethoxy-
U047	beta-Chloronaphthalene
U047	Naphthalene, 2-chloro-
U048	o-Chlorophenol
U048	Phenol, 2-chloro-
U049	4-Chloro-o-toluidine, hydrochloride
U049	Benzenamine, 4-chloro-2-methyl-, hydrochloride
U050	Chrysene
U051	Creosote
U052	Cresol (Cresylic acid)
U052	Phenol, methyl-
U053	2-Butenal
U053	Crotonaldehyde
U055	Benzene, (1-methylethyl)- (I)
U055	Cumene (I)
U056	Benzene, hexahydro- (I)
U056	Cyclohexane (I)
U057	Cyclohexanone (I)
U058	2H-1,3,2-Oxazaphosphorin-2-amine, N,N-bis(2-chloroethyl)tetrahydro-, 2-oxide
U058	Cyclophosphamide
U059	5,12-Naphthacenedione, 8-acetyl-10-[(3-amino-2,3,6-trideoxy)-alpha-L-lyxo-hexopyranosyl)oxy]-7,8,9,10-tetrahydro-6,8,11-trihydroxy-1-methoxy-, (8S-cis)-
U059	Daunomycin
U060	Benzene, 1,1'-(2,2-dichloroethylidene)bis[4-chloro-
U060	DDD
U061	Benzene, 1,1'-(2,2,2-trichloroethylidene)bis[4-chloro-
U061	DDT
U062	Carbamothioic acid, bis(1-methylethyl)-, S-(2,3-dichloro-2-propenyl) ester
U062	Diallate
U063	Dibenz[a,h]anthracene
U064	Benzo[rst]pentaphene
U064	Dibenzo[a,i]pyrene
U066	1,2-Dibromo-3-chloropropane
U066	Propane, 1,2-dibromo-3-chloro-
U067	Ethane, 1,2-dibromo-
U067	Ethylene dibromide
U068	Methane, dibromo-
U068	Methylene bromide
U069	1,2-Benzenedicarboxylic acid, dibutyl ester
U069	Dibutyl phthalate
U070	Benzene, 1,2-dichloro-
U070	o-Dichlorobenzene
U071	Benzene, 1,3-dichloro-

Code	Waste description
U071	m-Dichlorobenzene
U072	Benzene, 1,4-dichloro-
U072	p-Dichlorobenzene
U073	[1,1'-Biphenyl]-4,4'-diamine, 3,3'-dichloro-
U073	3,3'-Dichlorobenzidine
U074	1,4-Dichloro-2-butene (I,T)
U074	2-Butene, 1,4-dichloro- (I,T)
U075	Dichlorodifluoromethane
U075	Methane, dichlorodifluoro-
U076	Ethane, 1,1-dichloro-
U076	Ethylidene dichloride
U077	Ethane, 1,2-dichloro-
U077	Ethylene dichloride
U078	1,1-Dichloroethylene
U078	Ethene, 1,1-dichloro-
U079	1,2-Dichloroethylene
U079	Ethene, 1,2-dichloro-,(E)-
U080	Methane, dichloro-
U080	Methylene chloride
U081	2,4-Dichlorophenol
U081	Phenol, 2,4-dichloro-
U082	2,6-Dichlorophenol
U082	Phenol, 2,6-dichloro-
U083	Propane, 1,2-dichloro-
U083	Propylene dichloride
U084	1,3-Dichloropropene
U084	1-Propene, 1,3-dichloro-
U085	1,2:3,4-Diepoxybutane (I,T)
U085	2,2'-Bioxirane
U086	Hydrazine, 1,2-diethyl-
U086	N,N'-Diethylhydrazine
U087	O,O-Diethyl S-methyl dithiophosphate
U087	Phosphorodithioic acid, O,O-diethyl S-methyl ester
U088	1,2-Benzenedicarboxylic acid, diethyl ester
U088	Diethyl phthalate
U089	Diethylstilbesterol
U089	Phenol, 4,4'-(1,2-diethyl-1,2-ethenediyl)bis, (E)-
U090	1,3-Benzodioxole, 5-propyl-
U090	Dihydrosafrole
U091	[1,1'-Biphenyl]-4,4'-diamine, 3,3'-dimethoxy-
U091	3,3'-Dimethoxybenzidine
U092	Dimethylamine (I)
U092	Methanamine, N-methyl- (I)
U093	Benzenamine, N,N-dimethyl-4-(phenylazo)-
U093	p-Dimethylaminoazobenzene
U094	7,12-Dimethylbenz[a]anthracene
U094	Benz[a]anthracene, 7,12-dimethyl-

EPA HAZARDOUS WASTE CODES
(Continued)

Code	Waste description
U095	[1,1'-Biphenyl]-4,4'-diamine, 3,3'-dimethyl-
U095	3,3'-Dimethylbenzidine
U096	alpha,alpha-Dimethylbenzylhydroperoxide (R)
U096	Hydroperoxide, 1-methyl-1-phenylethyl- (R)
U097	Carbamic chloride, dimethyl-
U097	Dimethylcarbamoyl chloride
U098	1,1-Dimethylhydrazine
U098	Hydrazine, 1,1-dimethyl-
U099	1,2-Dimethylhydrazine
U099	Hydrazine, 1,2-diphenyl-
U101	2,4-Dimethylphenol
U101	Phenol, 2,4-dimethyl-
U102	1,2-Benzenedicarboxylic acid, dimethyl ester
U102	Dimethyl phthalate
U103	Dimethyl sulfate
U103	Sulfuric acid, dimethyl ester
U105	2,4-Dinitrotoluene
U105	Benzene, 1-methyl-2,4-dinitro-
U106	2,6-Dinitrotoluene
U106	Benzene, 2-methyl-1,3-dinitro-
U107	1,2-Benzenedicarboxylic acid, dioctyl ester
U107	Di-n-octyl phthalate
U108	1,4-Diethyleneoxide
U108	1,4-Dioxane
U109	1,2-Diphenylhydrazine
U109	Hydrazine, 1,2-diphenyl-
U110	1-Propanimine, N-propyl-(I)
U110	Dipropylamine (I)
U111	1-Propanamine, N-nitroso-N-propyl-
U111	Di-n-propylnitrosamine
U112	Acetic acid, ethyl ester (I)
U112	Ethyl acetate (I)
U113	2-Propenoic acid, ethyl ester (I)
U113	Ethyl acrylate (I)
U114	Carbamodithioic acid, 1,2-ethanediylbis-, salts & esters
U114	Ethylenebisdithiocarbamic acid, salts & esters
U115	Ethylene oxide (I,T)
U115	Oxirane (I,T)
U116	2-Imidazolidinethione
U116	Ethylenethiourea
U117	Ethane, 1,1'-oxybis-(I)
U117	Ethyl ether (I)
U118	2-Propenoic acid, 2-methyl-, ethyl ester
U118	Ethyl methacrylate
U119	Ethyl methanesulfonate
U119	Methanesulfonic acid, ethyl ester
U120	Fluoranthene

Code	Waste description
U121	Methane, trichlorofluoro-
U121	Trichloromonofluoromethane
U122	Formaldehyde
U123	Formic acid (C,T)
U124	Furan (I)
U124	Furfuran (I)
U125	2-Furancarboxaldehyde (I)
U125	Furfural (I)
U126	Glycidylaldehyde
U126	Oxiranecarboxyaldehyde
U127	Benzene, hexachloro-
U127	Hexachlorobenzene
U128	1,3-Butadiene, 1,1,2,3,4,4-hexachloro-
U128	Hexachlorobutadiene
U129	Cyclohexane, 1,2,3,4,5,6-hexachloro-, (1alpha, 2alpha, 3beta, 4alpha, 5alpha, 6beta)-
U129	Lindane
U130	1,3-Cyclopentadiene, 1,2,3,4,5,5-hexachloro-
U130	Hexachlorocyclopentadiene
U131	Ethane, hexachloro-
U131	Hexachloroethane
U132	Hexachlorophene
U132	Phenol, 2,2'-methylenebis[3,4,6-trichloro-
U133	Hydrazine (R,T)
U134	Hydrofluoric acid (C,T)
U134	Hydrogen fluoride (C,T)
U135	Hydrogen sulfide
U135	Hydrogen sulfide H_2S
U136	Arsinic acid, dimethyl-
U136	Cacodylic acid
U137	Indeno[1,2,3-cd]pyrene
U138	Methane, iodo-
U138	Methyl iodide
U140	1-Propanol, 2-methyl- (I,T)
U140	Isobutyl alcohol (I,T)
U141	1,3-Benzodioxole, 5-(1-propenyl)-
U141	Isosafrole
U142	1,3,4-Metheno-2H-cyclobuta[cd]pentalen-2-one, 1,1a,3,3a,4,5,5,5a,5b,6-decachlorooctahydro-
U142	Kepone
U143	2-Butenoic acid, 2-methyl-, 7-[[2,3-dihydroxy-2-(1-methoxyethyl)-3-methyl-1-oxobutoxy]methyl]-2,3,5,7a-tetrahydro-1H-pyrrolizin-1-yl ester, [1S-[1alpha(Z), 7(2S*,3R*), 7aalpha]]-
U143	Lasiocarpine
U144	Acetic acid, lead(2+) salt
U144	Lead acetate
U145	Lead phosphate
U145	Phosphoric acid, lead(2+) salt (2:3)
U146	Lead subacetate

EPA HAZARDOUS WASTE CODES
(Continued)

Code	Waste description
U146	Lead, bis(acetato-O)tetrahydroxytri-
U147	2,5-Furandione
U147	Maleic anhydride
U148	3,6-Pyridazinedione, 1,2-dihydro-
U148	Maleic hydrazide
U149	Malononitrile
U149	Propanedinitrile
U150	L-Phenylalanine, 4-[bis(2-chloroethyl)amino]-
U150	Melphalan
U151	Mercury
U152	2-Propenenitrile, 2-methyl- (I,T)
U152	Methacrylonitrile (I,T)
U153	Methanethiol (I,T)
U153	Thiomethanol (I,T)
U154	Methanol (I)
U154	Methyl alcohol (I)
U155	1,2-Ethanediamine, N,N-dimethyl-N'-2-pyridinyl-N'-(2-thienylmethyl)-
U155	Methapyrilene
U156	Carbonochloridic acid, methyl ester, (I,T)
U156	Methyl chlorocarbonate (I,T)
U157	3-Methylcholanthrene
U157	Benz[j]aceanthrylene, 1,2-dihydro-3-methyl-
U158	4,4'-Methylenebis(2-chloroaniline)
U158	Benzenamine, 4,4'-methylenebis[2-chloro-
U159	2-Butanone (I,T)
U159	Methyl ethyl ketone (MEK) (I,T)
U160	2-Butanone, peroxide (R,T)
U160	Methyl ethyl ketone peroxide (R,T)
U161	4-Methyl-2-pentanone (I)
U161	Methyl isobutyl ketone (I)
U161	Pentanol, 4-methyl-
U162	2-Propenoic acid, 2-methyl-, methyl ester (I,T)
U162	Methyl methacrylate (I,T)
U163	Guanidine, N-methyl-N'-nitro-N-nitroso-
U163	MNNG
U164	4(1H)-Pyrimidinone, 2,3-dihydro-6-methyl-2-thioxo-
U164	Methylthiouracil
U165	Naphthalene
U166	1,4-Naphthalenedione
U166	1,4-Naphthoquinone
U167	1-Napthalenamine
U167	alpha-Naphthylamine
U168	2-Napthalenamine
U168	beta-Naphthylamine
U169	Benzene, nitro-
U169	Nitrobenzene (I,T)
U170	p-Nitrophenol (I,T)

Code	Waste description
U170	Phenol, 4-nitro-
U171	2-Nitropropane (I,T)
U171	Propane, 2-nitro- (I,T)
U172	1-Butanamine, N-butyl-N-nitroso-
U172	N-Nitrosodi-n-butylamine
U173	Ethanol, 2,2'-(nitrosoimino)bis-
U173	N-Nitrosodiethanolamine
U174	Ethanamine, N-ethyl-N-nitroso-
U174	N-Nitrosodiethylamine
U176	N-Nitroso-N-ethylurea
U176	Urea, N-ethyl-N-nitroso-
U177	N-Nitroso-N-methylurea
U177	Urea, N-methyl-N-nitroso-
U178	Carbamic acid, methylnitroso-, ethyl ester
U178	N-Nitroso-N-methylurethane
U179	N-Nitrosopiperidine
U179	Piperidine, 1-nitroso-
U180	N-Nitrosopyrrolidine
U180	Pyrrolidine, 1-nitroso-
U181	5-Nitro-o-toluidine
U181	Benzenamine, 2-methyl-5-nitro
U182	1,3,5-Trioxane, 2,4,6-trimethyl-
U182	Paraldehyde
U183	Benzene, pentachloro-
U183	Pentachlorobenzene
U184	Ethane, pentachloro-
U184	Pentachloroethane
U185	Benzene, pentachloronitro-
U185	Pentachloronitrobenzene (PCNB)
U186	1,3-Pentadiene (I)
U186	1-Methylbutadiene (I)
U187	Acetamide, N-(4-ethoxyphenyl)-
U187	Phenacetin
U188	Phenol
U189	Phosphorus sulfide (R)
U189	Sulfur phosphide (R)
U190	1,3-Isobenzofurandione
U190	Phthalic anhydride
U191	2-Picoline
U191	Pyridine, 2-methyl-
U192	Benzamide, 3,5-dichloro-N-(1,1-dimethyl-2-propynyl)-
U192	Pronamide
U193	1,2-Oxathiolane, 2,2-dioxide
U193	1,3-Propane sultone
U194	1-Propanamine (I,T)
U194	n-Propylamine (I,T)
U196	Pyridine
U197	2,5-Cyclohexadiene-1,4-dione
U197	p-Benzoquinone

EPA HAZARDOUS WASTE CODES
(Continued)

Code	Waste description
U200	Reserpine
U200	Yohimban-16-carboxylic acid, 11,17-dimethoxy-18-[(3,4,5-trimethoxybenzoyl)oxy]-, methyl ester, (3beta, 16beta, 17alpha, 18beta, 20alpha)-
U201	1,3-Benzenediol
U201	Resorcinol
U202	1,2-Benzisothiazol-3(2H)-one, 1,1-dioxide, & salts
U202	Saccharin, & salts
U203	1,3-Benzodioxole, 5-(2-propenyl)-
U203	Safrole
U204	Selenious acid
U204	Selenium dioxide
U205	Selenium sulfide
U205	Selenium sulfide SeS_2 (R,T)
U206	D-Glucose, 2-deoxy-2-[[(methylnitrosoamino)-carbonyl]amino]-
U206	Glucopyranose, 2-deoxy-2-(3-methyl-3-nitrosoureido)-,D-
U206	Streptozotocin
U207	1,2,4,5-Tetrachlorobenzene
U207	Benzene, 1,2,4,5-tetrachloro-
U208	1,1,1,2-Tetrachloroethane
U208	Ethane, 1,1,1,2-tetrachloro-
U209	1,1,2,2-Tetrachloroethane
U209	Ethane, 1,1,2,2-tetrachloro-
U210	Ethene, tetrachloro-
U210	Tetrachloroethylene
U211	Carbon tetrachloride
U211	Methane, tetrachloro-
U213	Furan, tetrahydro-(I)
U213	Tetrahydrofuran (I)
U214	Acetic acid, thallium(1+) salt
U214	Thallium(I) acetate
U215	Carbonic acid, dithallium(1+) salt
U215	Thallium(I) carbonate
U216	Thallium chloride Tlcl
U216	Thallium(I) chloride
U217	Nitric acid, thallium(1+) salt
U217	Thallium(I) nitrate
U218	Ethanethioamide
U218	Thioacetamide
U219	Thiourea
U220	Benzene, methyl-
U220	Toluene
U221	Benzenediamine, ar-methyl-
U221	Toluenediamine
U222	Benzenamine, 2-methyl-, hydrochloride
U222	o-Toluidine hydrochloride
U223	Benzene, 1,3-diisocyanatomethyl- (R,T)
U223	Toluene diisocyanate (R,T)
U225	Bromoform

Code	Waste description
U225	Methane, tribromo-
U226	Ethane, 1,1,1-trichloro-
U226	Methyl chloroform
U227	1,1,2-Trichloroethane
U227	Ethane, 1,1,2-trichloro-
U228	Ethene, trichloro-
U228	Trichloroethylene
U234	1,3,5-Trinitrobenzene (R,T)
U234	Benzene, 1,3,5-trinitro-
U235	1-Propanol, 2,3-dibromo-, phosphate (3:1)
U235	Tris(2,3,-dibromopropyl) phosphate
U236	2,7-Naphthalenedisulfonic acid,3,3'-[(3,3'-dimethyl[1,1'-biphenyl]-4,4'-diyl)bis(azo)bis[5-amino-4-hydroxy]-, tetrasodium salt
U236	Trypan blue
U237	2,4-(1H,3H)-Pyrimidinedione, 5-[bis(2-chloroethyl)amino]-
U237	Uracil mustard
U238	Carbamic acid, ethyl ester
U238	Ethyl carbamate (urethane)
U239	Benzene, dimethyl- (I,T)
U239	Xylene (I)
U240	2,4-D, salts & esters
U240	Acetic acid, (2,4-dichlorophenoxy)-, salts & esters
U240	Dichlorophenoxyacetic acid 2,4-D
U243	1-Propene, 1,1,2,3,3,3-hexachloro-
U243	Hexachloropropene
U244	Thioperoxydicarbonic diamide $[(H_2N)C(S)]_2S_2$, tetramethyl-
U244	Thiram
U246	Cyanogen bromide (CN)Br
U247	Benzene, 1,1'-(2,2,2-trichloroethylidene)bis[4-methoxy-
U247	Methoxychlor
U248	2H-1-Benzopyran-2-one, 4-hydroxy-3-(3-oxo-1-phenyl-butyl)-, & salts, when present at concentrations of 0.3% or less
U248	Warfarin, & salts, when present at concentrations of 0.3% or less
U249	Zinc phosphide Zn_3P_2, when present at concentrations of 10% or less
U271	Benomyl
U271	Carbamic acid, [1-[(butylamino)carbonyl]-1H-benzimidazol-2-yl]-, methyl ester
U277	Sulfallate
U277	Carbamodithioic acid, diethyl-, 2-chloro-2-propenyl ester
U278	Bendiocarb
U278	1,3-Benzodioxol-4-ol, 2,2-dimethyl-, methyl carbamate
U279	Carbaryl
U279	1-Naphthalenol, methylcarbamate
U280	Barban

EPA HAZARDOUS WASTE CODES
(Continued)

Code	Waste description
U280	Carbamic acid, (3-chlorophenyl)-, 4-chloro-2-butynyl ester
U328	Benzenamine, 2-methyl-
U328	o-Toluidine
U353	Benzenamine, 4-methyl-
U353	p-Toluidine
U359	Ethanol, 2-ethoxy-
U359	Ethylene glycol monoethyl ether
U364	Bendiocarb phenol
U364	1,3-Benzodioxol-4-ol, 2,2-dimethyl-
U365	H-Azepine-1-carbothioic acid, hexahydro-, S-ethyl ester
U365	Molinate
U366	Dazomet
U366	2H-1,3,5-Thiadiazine- 2-thione, tetrahydro-3,5-dimethyl-
U367	7-Benzofuranol, 2,3-dihydro-2,2-dimethyl-
U367	Carbofuran phenol
U372	Carbamic acid, 1H-benzimidazol-2-yl, methyl ester
U372	Carbendazim
U373	Carbamic acid, phenyl-, 1-methylethyl ester
U373	Propham
U375	Carbamic acid, butyl-, 3-iodo-2-propynyl ester
U375	3-Iodo-2-propynyl n-butylcarbamate
U376	Carbamodithioic acid, dimethyl-, tetraanhydrosulfide with orthothiosetenious acid
U376	Selenium, tetrakis (dimethyldithiocarbamate)
U377	Carbamodithioic acid, methyl-, monopotassium salt
U377	Potassium n-methyldithiocarbamate
U378	Carbamodithioic acid, (hydroxymethyl) methyl-, monopotassium salt
U378	Potassium n-hydroxymethyl- n-methyldithiocarbamate
U379	Sodium dibutyldithiocarbamate
U379	Carbamodithioic acid, dibutyl, sodium salt
U381	Carbamodithioic acid, diethyl-, sodium salt
U381	Sodium diethyldithiocarbamate
U382	Carbamodithioic acid, dimethyl-, sodium salt
U382	Sodium dimethyldithiocarbamate
U383	Carbamodithioic acid, dimethyl, potassium salt
U383	Potassium dimethyldithiocarbamate
U384	Carbamodithioic acid, methyl-, monosodium salt
U384	Metam Sodium
U385	Carbamothioic acid, dipropyl-, S-propyl ester
U386	Carbamothioic acid, cyclohexylethyl-, S-ethyl ester
U386	Cycloate

Code	Waste description
U387	Carbamothioic acid, dipropyl-, S-(phenylmethyl) ester
U387	Prosulfocarb
U389	Carbamothioic acid, bis(1-methylethyl)-, S-(2,3,3-trichloro-2-propenyl) ester
U389	Triallate
U390	Carbamothioic acid, dipropyl-, S-ethyl ester
U390	EPTC
U391	Carbamothioic acid, butylethyl-, S-propyl ester
U391	Pebulate
U392	Butylate
U392	Carbamothioic acid, bis(2-methylpropyl)-, S-ethyl ester
U393	Copper, bis(dimethylcarbamodithioato-S,S')-
U393	Copper dimethyldithiocarbamate
U394	A2213
U394	Ethanimidothioic acid, 2-(dimethylamino)-N-hydroxy-2-oxo-, methyl ester
U395	Diethylene glycol, dicarbamate
U395	Ethanol, 2,2'-oxybis-, dicarbamate
U396	Ferbam
U396	Iron, tris(dimethylcarbamodithioato-S,S')-,
U400	Bis(pentamethylene)thiuram tetrasulfide
U400	Piperidine, 1,1'-(tetrathiodicarbonothioyl)-bis-
U401	Bis(dimethylthiocarbamoyl) sulfide
U401	Tetramethylthiuram monosulfide
U402	Tetrabutylthiuram disulfide
U402	Thioperoxydicarbonic diamide, tetrabutyl
U403	Disulfiram
U403	Thioperoxydicarbonic diamide, tetraethyl
U404	Ethanamine, N,N-diethyl-
U404	Triethylamine
U407	Ethyl Ziram
U409	Carbamic acid, [1,2-phenylenebis (iminocarbonothioyl)]bis-, dimethyl ester
U409	Thiophanate-methyl
U410	Ethanimidothioic acid, N,N'-[thiobis[(methylimino)carbonyloxy]]bis-, dimethyl ester
U410	Thiodicarb
U411	Phenol, 2-(1-methylethoxy)-, methylcarbamate
U411	Propoxur

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APPENDIX E

DATA QUALITY AND COMPLETENESS

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DATA QUALITY AND COMPLETENESS

The data presented in this report have been provided by States to their respective EPA Regional offices. In some cases the data were also collected by EPA Regional offices. When the data were transmitted to EPA Headquarters, the State or Region that collected the data provided an indication of how complete the data were for each State that was being transmitted. The following exhibit lists the current level of completion for each State according to one of the two categories described below.

1. State believes data submission is complete.

   State has indicated that it provided all required data for all handlers that were required to file the 1995 Biennial Report, including all LQGs and TSDs in the State. (Please note that sites claiming confidential business information have been excluded from all volumes of this preliminary report.)

2. State believes data submission is incomplete.

   State has indicated that its data omitted handlers that were required to file the 1995 Biennial Report. Data for these States will probably change when a complete submission is received for the State.

Exhibit: Status of State Data Submissions, 1995

STATE	STATUS OF STATE DATA SUBMISSION
ALABAMA	STATE BELIEVES DATA SUBMISSION IS COMPLETE.
ALASKA	STATE BELIEVES DATA SUBMISSION IS COMPLETE.
ARIZONA	STATE BELIEVES DATA SUBMISSION IS COMPLETE.
ARKANSAS	STATE BELIEVES DATA SUBMISSION IS COMPLETE.
CALIFORNIA	STATE BELIEVES DATA SUBMISSION IS COMPLETE.
COLORADO	STATE BELIEVES DATA SUBMISSION IS COMPLETE.
CONNECTICUT	STATE BELIEVES DATA SUBMISSION IS COMPLETE.
DELAWARE	STATE BELIEVES DATA SUBMISSION IS COMPLETE.
DISTRICT OF COLUMBIA	STATE BELIEVES DATA SUBMISSION IS COMPLETE.
FLORIDA	STATE BELIEVES DATA SUBMISSION IS COMPLETE.
GEORGIA	STATE BELIEVES DATA SUBMISSION IS COMPLETE.
GUAM	STATE BELIEVES DATA SUBMISSION IS COMPLETE.
HAWAII	STATE BELIEVES DATA SUBMISSION IS COMPLETE.
IDAHO	STATE BELIEVES DATA SUBMISSION IS COMPLETE.
ILLINOIS	STATE BELIEVES DATA SUBMISSION IS COMPLETE.
INDIANA	STATE BELIEVES DATA SUBMISSION IS COMPLETE.
IOWA	STATE BELIEVES DATA SUBMISSION IS **INCOMPLETE.**
KANSAS	STATE BELIEVES DATA SUBMISSION IS COMPLETE.
KENTUCKY	STATE BELIEVES DATA SUBMISSION IS COMPLETE.
LOUISIANA	STATE BELIEVES DATA SUBMISSION IS COMPLETE.
MAINE	STATE BELIEVES DATA SUBMISSION IS COMPLETE.
MARYLAND	STATE BELIEVES DATA SUBMISSION IS **INCOMPLETE.**
MASSACHUSETTS	STATE BELIEVES DATA SUBMISSION IS COMPLETE.
MICHIGAN	STATE BELIEVES DATA SUBMISSION IS **INCOMPLETE.**
MINNESOTA	STATE BELIEVES DATA SUBMISSION IS COMPLETE.
MISSISSIPPI	STATE BELIEVES DATA SUBMISSION IS COMPLETE.
MISSOURI	STATE BELIEVES DATA SUBMISSION IS **INCOMPLETE.**
MONTANA	STATE BELIEVES DATA SUBMISSION IS COMPLETE.
NAVAJO NATION	STATE BELIEVES DATA SUBMISSION IS COMPLETE.
NEBRASKA	STATE BELIEVES DATA SUBMISSION IS **INCOMPLETE.**
NEVADA	STATE BELIEVES DATA SUBMISSION IS COMPLETE.
NEW HAMPSHIRE	STATE BELIEVES DATA SUBMISSION IS COMPLETE.
NEW JERSEY	STATE BELIEVES DATA SUBMISSION IS COMPLETE.
NEW MEXICO	STATE BELIEVES DATA SUBMISSION IS COMPLETE.
NEW YORK	STATE BELIEVES DATA SUBMISSION IS COMPLETE.
NORTH CAROLINA	STATE BELIEVES DATA SUBMISSION IS COMPLETE.
NORTH DAKOTA	STATE BELIEVES DATA SUBMISSION IS COMPLETE.
OHIO	STATE BELIEVES DATA SUBMISSION IS **INCOMPLETE.**
OKLAHOMA	STATE BELIEVES DATA SUBMISSION IS COMPLETE.
OREGON	STATE BELIEVES DATA SUBMISSION IS COMPLETE.
PENNSYLVANIA	STATE BELIEVES DATA SUBMISSION IS COMPLETE.
PUERTO RICO	STATE BELIEVES DATA SUBMISSION IS **INCOMPLETE.**
RHODE ISLAND	STATE BELIEVES DATA SUBMISSION IS COMPLETE.
SOUTH CAROLINA	STATE BELIEVES DATA SUBMISSION IS COMPLETE.
SOUTH DAKOTA	STATE BELIEVES DATA SUBMISSION IS COMPLETE.
TENNESSEE	STATE BELIEVES DATA SUBMISSION IS COMPLETE.
TEXAS	STATE BELIEVES DATA SUBMISSION IS COMPLETE.
TRUST TERRITORY	STATE BELIEVES DATA SUBMISSION IS COMPLETE.
UTAH	STATE BELIEVES DATA SUBMISSION IS **INCOMPLETE.**
VERMONT	STATE BELIEVES DATA SUBMISSION IS COMPLETE.
VIRGIN ISLANDS	STATE BELIEVES DATA SUBMISSION IS COMPLETE.
VIRGINIA	STATE BELIEVES DATA SUBMISSION IS COMPLETE.
WASHINGTON	STATE BELIEVES DATA SUBMISSION IS COMPLETE.
WEST VIRGINIA	STATE BELIEVES DATA SUBMISSION IS COMPLETE.
WISCONSIN	STATE BELIEVES DATA SUBMISSION IS **INCOMPLETE.**
WYOMING	STATE BELIEVES DATA SUBMISSION IS COMPLETE.