



NATIONAL ANALYSIS

THE NATIONAL BIENNIAL RCRA HAZARDOUS WASTE REPORT (BASED ON 2007 DATA)



This page intentionally left blank.

CONTENTS

INTRODUCTION	I-1
1.0 WASTE GENERATION	
Exhibit 1.1 Quantity of RCRA Hazardous Waste Generated and Number of Hazardous Waste Generators, by State, 2007	1-1
Exhibit 1.2 Rank Ordering of States Based on Quantity of RCRA Hazardous Waste and Number of Hazardous Waste Generators, 2007	1-2
Exhibit 1.3 Rank Ordering of States Based on Number of Hazardous Waste Generators and Quantity of RCRA Hazardous Waste Generated, 2007	1-3
Exhibit 1.4 Fifty Largest RCRA Hazardous Waste Generators in the U.S., 2007	1-4
Exhibit 1.5 Number of Hazardous Waste Generators by Generator Quantity Range, 2007	1-5
Exhibit 1.6 Percentages of National Generation Total That Were Characteristic, Listed, or Both Characteristic and Listed Waste, 2007	1-5
Exhibit 1.7 Tons of Generated Waste That Were Only Characteristic Waste, Only Listed Waste or Both Characteristic and Listed Waste, 2007	1-6
Exhibit 1.8 Tons of Generated Waste with Multiple Characteristics, That Were Multiply Listed or Both, 2007	1-6
Exhibit 1.9 Fifty Largest Quantities of Hazardous Waste Generated, by Primary NAICS Code in the U.S., 2007	1-7
2.0 WASTE MANAGEMENT	
Exhibit 2.1 Quantity of RCRA Hazardous Waste Managed and Number of RCRA Management Facilities, by State, 2007	2-1
Exhibit 2.2 Rank Ordering of States Based on Quantity of RCRA Hazardous Waste Managed and Number of RCRA Management Facilities, 2007	2-2
Exhibit 2.3 Rank Ordering of States Based on Number of RCRA Management Facilities and Quantity of RCRA Hazardous Waste Managed, 2007	2-3
Exhibit 2.4 Fifty Largest RCRA Hazardous Waste Managers in the U.S., 2007	2-4
Exhibit 2.5 Quantity of RCRA Hazardous Waste Managed, by Management Method, 2007 ...	2-5
Exhibit 2.6 Management Method, by Quantity of RCRA Hazardous Waste Managed, 2007 ...	2-5
Exhibit 2.7 Management Method and Quantity of RCRA Hazardous Waste Managed, by Number of Facilities, 2007	2-5
3.0 SHIPMENTS AND RECEIPTS	
Exhibit 3.1 Quantity of RCRA Hazardous Waste Shipped and Number of Hazardous Shippers, by State, 2007	3-1
Exhibit 3.2 Rank Ordering of States Based on Quantity of RCRA Hazardous Waste Shipped and Number of Hazardous Waste Shippers, 2007	3-2
Exhibit 3.3 Rank Ordering of States Based on Number of Hazardous Waste Shippers and Quantity of RCRA Hazardous Waste Shipped, 2007	3-3
Exhibit 3.4 Fifty Largest RCRA Hazardous Waste Shippers in the U.S., 2007	3-4

Exhibit 3.5	Quantity of RCRA Hazardous Waste Received and Number of Receivers, by State, 2007	3-5
Exhibit 3.6	Rank Ordering of States Based on Quantity of RCRA Hazardous Waste Received and Number of Receivers, 2007	3-6
Exhibit 3.7	Rank Ordering of States Based on Number of Receiving Facilities and Quantity of RCRA Hazardous Waste Received, 2007	3-7
Exhibit 3.8	Fifty Largest RCRA Hazardous Waste Receivers in the U.S., 2007	3-8
Exhibit 3.9	Quantity of RCRA Hazardous Waste Managed, by Management Method, Limited to Waste Received from Off-Site, 2007	3-9
Exhibit 3.10	Management Method, by Quantity of RCRA Hazardous Waste Managed, Limited to Waste Received from Off-Site, 2007	3-9
Exhibit 3.11	Management Method and Quantity of RCRA Hazardous Waste Managed, by Number of Facilities, Limited to Waste Received from Off-Site, 2007	3-9

4.0 INTERSTATE SHIPMENTS AND RECEIPTS

Exhibit 4.1	RCRA Hazardous Waste Interstate Shipments and Receipts, by State, 2007	4-1
-------------	--	-----

APPENDIX A: EPA REGION - STATE MAPPING

APPENDIX B: 2007 MANAGEMENT METHOD CODES

APPENDIX C: 2007 FORM CODES

APPENDIX D: 2007 WASTE CODES

APPENDIX E: STATE GUIDANCE

INTRODUCTION

The United States Environmental Protection Agency (EPA), in partnership with the States¹, biennially collects information regarding the generation, management, and final disposition of hazardous wastes regulated under the Resource Conservation and Recovery Act of 1976 (RCRA), as amended. The purpose of this 2007 National Biennial Report is to communicate the findings of EPA's 2007 hazardous waste reporting data collection efforts to the public, government agencies, and the regulated community. The 2007 National Biennial Report consists of three volumes of data:

- The **National Analysis** data presents a detailed look at waste-handling practices in the States, and largest facilities nationally, including (1) the quantity of waste generated, managed, shipped, and received, and interstate shipments and receipts, and (2) the number of generators and managing facilities,
- The **State Detail Analysis** data is a detailed look at each State's waste handling practices, including overall totals for generation, management, shipments, and receipts, as well as totals for the largest fifty facilities, and
- The **List of Reported RCRA Sites** identifies every hazardous waste facility in the United States that submitted a hazardous waste report in 2007.

RCRA HAZARDOUS WASTE

Throughout this Report, the term RCRA hazardous waste refers to solid waste assigned a Federal Hazardous Waste Code and regulated by RCRA. Some States elect to regulate wastes not specifically regulated by EPA; these wastes are assigned State Hazardous Waste Codes. For this Report EPA asked States to exclude data for waste with only State Hazardous Waste Codes (the waste description does not include any Federal Hazardous Waste Codes). The reader can find a more detailed explanation in the *RCRA Orientation Manual* (<http://www.epa.gov/epaoswer/general/orientat/>) and in the Code of Federal Regulations in 40 CFR Parts 260 and 261. Please refer to Appendix D of this Report for a complete list of EPA Hazardous Waste Codes used by the regulated community for their 2007 Biennial Report submissions. Details about the information submitted by the regulated community can be found in the *2007 Hazardous Waste Report Instructions and Forms* (<http://www.epa.gov/epaoswer/hazwaste/data/br05/forms.htm>). Guidance provided to the regulated community regarding information to include or exclude from the National report can be found in Appendix E.

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

RCRA HAZARDOUS WASTE GENERATION

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

- the generator generated in any single month 1,000 kg (2,200 pounds or 1.1 tons) or more of RCRA hazardous waste; or
- the generator generated in any single month, or accumulated at any time, 1 kg (2.2 pounds) of RCRA acute hazardous waste; or
- the generator generated, or accumulated at any time, more than 100 kg (220 pounds) of spill cleanup material contaminated with RCRA acute hazardous waste.

All facilities that were LQGs in 2007 are required to provide EPA with 2007 waste generation and management information. It is important to note that the generators identified in this Report have been included based on the most current information made available to EPA by the States. However, the generator counts may include some generators that, when determining whether they were LQGs, used a lower State-defined threshold for LQGs, counted wastes regulated only by their States, or counted wastes exempt from Federal regulation. Hazardous waste received from off site for storage/bulking and subsequently transferred off site for treatment or disposal is excluded from generation quantities in this Report.

RCRA HAZARDOUS WASTE MANAGEMENT

RCRA hazardous waste management information is obtained from data reported by facilities that treated, stored, or disposed of RCRA hazardous wastes on site during 2007. Only wastes that were treated or disposed of in 2007 are included in the management quantities in this Report. Hazardous wastes that are stored, bulked and/or transferred off site with no prior treatment/recovery, fuel blending, or disposal at the site, are excluded from the management quantities in this Report.

RCRA HAZARDOUS WASTE SHIPMENTS AND RECEIPTS

RCRA hazardous waste shipment information is obtained from data reported by both RCRA LQGs and facilities that treated, stored, or disposed of RCRA hazardous wastes on site during 2007. RCRA hazardous waste receipt information is obtained from data reported by facilities that treated, stored, or disposed of RCRA hazardous wastes on site during 2007. All reported shipments identified by the State, or implementing EPA office, for inclusion in the National Biennial Report are included in the waste shipment quantities in this Report, even if the waste was shipped to a transfer facility. In some instances, waste is transferred within a physical location that has more than one EPA Identification Number. These waste transfers are treated as shipments.

RCRA hazardous waste interstate shipment quantities include wastes generated in one State and shipped to a receiver in a different State, excluding shipments to a foreign country. Interstate shipments are calculated from information provided by waste shippers. RCRA hazardous waste interstate receipts include all wastes received by a State which differs from the State of origin, excluding foreign imports. RCRA hazardous waste interstate receipts are calculated from information provided by the facilities that received the wastes.

THE DATA PRESENTED IN THIS NATIONAL BIENNIAL REPORT

It is the responsibility of individual States or implementing EPA offices to properly identify data that is to be included in or excluded from the National Biennial Report. For this 2007 National Biennial RCRA Hazardous Waste Report, EPA has included all data that was identified by the State or implementing EPA office for inclusion in the Report, with the following two (2) exceptions:

- 1) hazardous waste received from off site for storage/bulking and subsequently transferred off site for treatment or disposal is excluded from generation quantities; and
- 2) hazardous waste that is stored, bulked, and/or transferred off site with no prior treatment/recovery, fuel blending, or disposal at the site is excluded from management quantities.

This page intentionally left blank.

National Biennial RCRA Hazardous Waste Report: Based on 2007 Data

Exhibit 1.1 Quantity of RCRA Hazardous Waste Generated and Number of Hazardous Waste Generators, by State, 2007

State	Hazardous Waste Quantity			Number of Generators			Reported Status	
	Rank	Tons Generated	Percentage	Rank	Number	Percentage	LQG	Non-LQG
ALABAMA	15	416,916	0.9	24	219	1.3	219	0
ALASKA	50	2,532	0.0	43	45	0.3	34	11
ARIZONA	34	56,708	0.1	27	175	1.1	175	0
ARKANSAS	14	495,754	1.1	34	117	0.7	106	11
CALIFORNIA	11	608,654	1.3	1	2,312	14.1	2,115	197
COLORADO	35	54,921	0.1	33	120	0.7	104	16
CONNECTICUT	39	32,481	0.1	22	268	1.6	259	9
DELAWARE	41	19,743	0.0	42	55	0.3	45	10
DISTRICT OF COLUMBIA	52	765	0.0	50	22	0.1	19	3
FLORIDA	21	152,687	0.3	17	319	2.0	292	27
GEORGIA	26	102,636	0.2	16	326	2.0	291	35
GUAM	54	135	0.0	51	21	0.1	14	7
HAWAII	51	1,224	0.0	48	29	0.2	27	2
IDAHO	43	5,638	0.0	44	44	0.3	23	21
ILLINOIS	7	1,122,937	2.4	6	809	4.9	697	112
INDIANA	9	958,019	2.1	9	522	3.2	427	95
IOWA	36	49,013	0.1	30	159	1.0	134	25
KANSAS	18	292,682	0.6	25	203	1.2	162	41
KENTUCKY	24	139,878	0.3	21	269	1.6	262	7
LOUISIANA	1	15,892,592	34.0	15	336	2.1	324	12
MAINE	45	5,305	0.0	41	65	0.4	64	1
MARYLAND	37	43,606	0.1	34	117	0.7	117	0
MASSACHUSETTS	19	248,330	0.5	11	449	2.7	425	24
MICHIGAN	3	2,397,357	5.1	7	682	4.2	536	146
MINNESOTA	27	101,680	0.2	23	249	1.5	247	2
MISSISSIPPI	4	2,239,718	4.8	31	133	0.8	133	0
MISSOURI	20	228,109	0.5	18	283	1.7	257	26
MONTANA	40	29,520	0.1	46	40	0.2	40	0
NAVAJO NATION	55	35	0.0	54	1	0.0	1	0
NEBRASKA	38	38,720	0.1	39	80	0.5	54	26
NEVADA	42	10,041	0.0	40	73	0.4	73	0
NEW HAMPSHIRE	44	5,432	0.0	28	165	1.0	105	60
NEW JERSEY	12	596,130	1.3	8	673	4.1	644	29
NEW MEXICO	10	944,581	2.0	45	43	0.3	37	6
NEW YORK	6	1,267,648	2.7	2	1,181	7.2	896	285
NORTH CAROLINA	28	96,009	0.2	12	433	2.6	403	30
NORTH DAKOTA	13	538,611	1.2	53	13	0.1	13	0
OHIO	5	1,608,186	3.4	3	952	5.8	794	158
OKLAHOMA	25	134,426	0.3	29	164	1.0	0	164
OREGON	32	74,965	0.2	26	183	1.1	183	0
PENNSYLVANIA	16	388,782	0.8	5	821	5.0	742	79
PUERTO RICO	33	60,041	0.1	36	104	0.6	95	9
RHODE ISLAND	46	4,631	0.0	38	88	0.5	70	18
SOUTH CAROLINA	22	151,431	0.3	19	276	1.7	251	25
SOUTH DAKOTA	53	750	0.0	52	19	0.1	19	0
TENNESSEE	8	1,079,070	2.3	14	358	2.2	358	0
TEXAS	2	13,272,307	28.4	4	918	5.6	918	0
TRUST TERRITORIES	56	1	0.0	54	1	0.0	1	0
UTAH	30	82,829	0.2	37	90	0.6	90	0
VERMONT	49	2,951	0.0	47	33	0.2	32	1
VIRGIN ISLANDS	48	3,154	0.0	54	1	0.0	1	0
VIRGINIA	29	94,883	0.2	19	276	1.7	254	22
WASHINGTON	23	147,246	0.3	13	408	2.5	407	1
WEST VIRGINIA	31	76,577	0.2	32	131	0.8	90	41
WISCONSIN	17	310,293	0.7	10	453	2.8	453	0
WYOMING	47	4,011	0.0	49	23	0.1	17	6
Total		46,693,284	100.0		16,349	100.0	14,549	1,800

Note: Columns may not sum due to rounding.

National Biennial RCRA Hazardous Waste Report: Based on 2007 Data

Exhibit 1.2 Rank Ordering of States Based on Quantity of RCRA Hazardous Waste Generated and Number of Hazardous Waste Generators, 2007

State	Hazardous Waste Quantity			Number of Generators			Reported Status	
	Rank	Tons Generated	Percentage	Rank	Number	Percentage	LQG	Non-LQG
LOUISIANA	1	15,892,592	34.0	15	336	2.1	324	12
TEXAS	2	13,272,307	28.4	4	918	5.6	918	0
MICHIGAN	3	2,397,357	5.1	7	682	4.2	536	146
MISSISSIPPI	4	2,239,718	4.8	31	133	0.8	133	0
OHIO	5	1,608,186	3.4	3	952	5.8	794	158
NEW YORK	6	1,267,648	2.7	2	1,181	7.2	896	285
ILLINOIS	7	1,122,937	2.4	6	809	4.9	697	112
TENNESSEE	8	1,079,070	2.3	14	358	2.2	358	0
INDIANA	9	958,019	2.1	9	522	3.2	427	95
NEW MEXICO	10	944,581	2.0	45	43	0.3	37	6
CALIFORNIA	11	608,654	1.3	1	2,312	14.1	2,115	197
NEW JERSEY	12	596,130	1.3	8	673	4.1	644	29
NORTH DAKOTA	13	538,611	1.2	53	13	0.1	13	0
ARKANSAS	14	495,754	1.1	34	117	0.7	106	11
ALABAMA	15	416,916	0.9	24	219	1.3	219	0
PENNSYLVANIA	16	388,782	0.8	5	821	5.0	742	79
WISCONSIN	17	310,293	0.7	10	453	2.8	453	0
KANSAS	18	292,682	0.6	25	203	1.2	162	41
MASSACHUSETTS	19	248,330	0.5	11	449	2.7	425	24
MISSOURI	20	228,109	0.5	18	283	1.7	257	26
FLORIDA	21	152,687	0.3	17	319	2.0	292	27
SOUTH CAROLINA	22	151,431	0.3	19	276	1.7	251	25
WASHINGTON	23	147,246	0.3	13	408	2.5	407	1
KENTUCKY	24	139,878	0.3	21	269	1.6	262	7
OKLAHOMA	25	134,426	0.3	29	164	1.0	0	164
GEORGIA	26	102,636	0.2	16	326	2.0	291	35
MINNESOTA	27	101,680	0.2	23	249	1.5	247	2
NORTH CAROLINA	28	96,009	0.2	12	433	2.6	403	30
VIRGINIA	29	94,883	0.2	19	276	1.7	254	22
UTAH	30	82,829	0.2	37	90	0.6	90	0
WEST VIRGINIA	31	76,577	0.2	32	131	0.8	90	41
OREGON	32	74,965	0.2	26	183	1.1	183	0
PUERTO RICO	33	60,041	0.1	36	104	0.6	95	9
ARIZONA	34	56,708	0.1	27	175	1.1	175	0
COLORADO	35	54,921	0.1	33	120	0.7	104	16
IOWA	36	49,013	0.1	30	159	1.0	134	25
MARYLAND	37	43,606	0.1	34	117	0.7	117	0
NEBRASKA	38	38,720	0.1	39	80	0.5	54	26
CONNECTICUT	39	32,481	0.1	22	268	1.6	259	9
MONTANA	40	29,520	0.1	46	40	0.2	40	0
DELAWARE	41	19,743	0.0	42	55	0.3	45	10
NEVADA	42	10,041	0.0	40	73	0.4	73	0
IDAHO	43	5,638	0.0	44	44	0.3	23	21
NEW HAMPSHIRE	44	5,432	0.0	28	165	1.0	105	60
MAINE	45	5,305	0.0	41	65	0.4	64	1
RHODE ISLAND	46	4,631	0.0	38	88	0.5	70	18
WYOMING	47	4,011	0.0	49	23	0.1	17	6
VIRGIN ISLANDS	48	3,154	0.0	54	1	0.0	1	0
VERMONT	49	2,951	0.0	47	33	0.2	32	1
ALASKA	50	2,532	0.0	43	45	0.3	34	11
HAWAII	51	1,224	0.0	48	29	0.2	27	2
DISTRICT OF COLUMBIA	52	765	0.0	50	22	0.1	19	3
SOUTH DAKOTA	53	750	0.0	52	19	0.1	19	0
GUAM	54	135	0.0	51	21	0.1	14	7
NAVAJO NATION TRUST TERRITORIES	55	35	0.0	54	1	0.0	1	0
	56	1	0.0	54	1	0.0	1	0
Total		46,693,284	100.0		16,349	100.0	14,549	1,800

Note: Columns may not sum due to rounding.

National Biennial RCRA Hazardous Waste Report: Based on 2007 Data

Exhibit 1.3 Rank Ordering of States Based on Number of Hazardous Waste Generators and Quantity of RCRA Hazardous Waste Generated, 2007

State	Number of Generators			Hazardous Waste Quantity			Reported Status	
	Rank	Number	Percentage	Rank	Tons Generated	Percentage	LQG	Non-LQG
CALIFORNIA	1	2,312	14.1	11	608,654	1.3	2,115	197
NEW YORK	2	1,181	7.2	6	1,267,648	2.7	896	285
OHIO	3	952	5.8	5	1,608,186	3.4	794	158
TEXAS	4	918	5.6	2	13,272,307	28.4	918	0
PENNSYLVANIA	5	821	5.0	16	388,782	0.8	742	79
ILLINOIS	6	809	4.9	7	1,122,937	2.4	697	112
MICHIGAN	7	682	4.2	3	2,397,357	5.1	536	146
NEW JERSEY	8	673	4.1	12	596,130	1.3	644	29
INDIANA	9	522	3.2	9	958,019	2.1	427	95
WISCONSIN	10	453	2.8	17	310,293	0.7	453	0
MASSACHUSETTS	11	449	2.7	19	248,330	0.5	425	24
NORTH CAROLINA	12	433	2.6	28	96,009	0.2	403	30
WASHINGTON	13	408	2.5	23	147,246	0.3	407	1
TENNESSEE	14	358	2.2	8	1,079,070	2.3	358	0
LOUISIANA	15	336	2.1	1	15,892,592	34.0	324	12
GEORGIA	16	326	2.0	26	102,636	0.2	291	35
FLORIDA	17	319	2.0	21	152,687	0.3	292	27
MISSOURI	18	283	1.7	20	228,109	0.5	257	26
SOUTH CAROLINA	19	276	1.7	22	151,431	0.3	251	25
VIRGINIA	19	276	1.7	29	94,883	0.2	254	22
KENTUCKY	21	269	1.6	24	139,878	0.3	262	7
CONNECTICUT	22	268	1.6	39	32,481	0.1	259	9
MINNESOTA	23	249	1.5	27	101,680	0.2	247	2
ALABAMA	24	219	1.3	15	416,916	0.9	219	0
KANSAS	25	203	1.2	18	292,682	0.6	162	41
OREGON	26	183	1.1	32	74,965	0.2	183	0
ARIZONA	27	175	1.1	34	56,708	0.1	175	0
NEW HAMPSHIRE	28	165	1.0	44	5,432	0.0	105	60
OKLAHOMA	29	164	1.0	25	134,426	0.3	0	164
IOWA	30	159	1.0	36	49,013	0.1	134	25
MISSISSIPPI	31	133	0.8	4	2,239,718	4.8	133	0
WEST VIRGINIA	32	131	0.8	31	76,577	0.2	90	41
COLORADO	33	120	0.7	35	54,921	0.1	104	16
ARKANSAS	34	117	0.7	14	495,754	1.1	106	11
MARYLAND	34	117	0.7	37	43,606	0.1	117	0
PUERTO RICO	36	104	0.6	33	60,041	0.1	95	9
UTAH	37	90	0.6	30	82,829	0.2	90	0
RHODE ISLAND	38	88	0.5	46	4,631	0.0	70	18
NEBRASKA	39	80	0.5	38	38,720	0.1	54	26
NEVADA	40	73	0.4	42	10,041	0.0	73	0
MAINE	41	65	0.4	45	5,305	0.0	64	1
DELAWARE	42	55	0.3	41	19,743	0.0	45	10
ALASKA	43	45	0.3	50	2,532	0.0	34	11
IDAHO	44	44	0.3	43	5,638	0.0	23	21
NEW MEXICO	45	43	0.3	10	944,581	2.0	37	6
MONTANA	46	40	0.2	40	29,520	0.1	40	0
VERMONT	47	33	0.2	49	2,951	0.0	32	1
HAWAII	48	29	0.2	51	1,224	0.0	27	2
WYOMING	49	23	0.1	47	4,011	0.0	17	6
DISTRICT OF COLUMBIA	50	22	0.1	52	765	0.0	19	3
GUAM	51	21	0.1	54	135	0.0	14	7
SOUTH DAKOTA	52	19	0.1	53	750	0.0	19	0
NORTH DAKOTA	53	13	0.1	13	538,611	1.2	13	0
NAVAJO NATION	54	1	0.0	55	35	0.0	1	0
TRUST TERRITORIES	54	1	0.0	56	1	0.0	1	0
VIRGIN ISLANDS	54	1	0.0	48	3,154	0.0	1	0
Total		16,349	100.0		46,693,284	100.0	14,549	1,800

Note: Columns may not sum due to rounding.

National Biennial RCRA Hazardous Waste Report: Based on 2007 Data

Exhibit 1.4 Fifty Largest RCRA Hazardous Waste Generators in the U.S., 2007

Rank	EPA ID	Name	City	Tons Generated
1	LAD008187080	PLAQUEMINE_THE DOW CHEMICAL COMPANY	PLAQUEMINE, LA	8,125,031
2	TXD001700806	SOLUTIA INC	ALVIN, TX	3,172,178
3	LAD003913316	OCCIDENTAL CHEMICAL CORP. - TAFT PLANT	HAHNVILLE, LA	2,804,999
4	LAD008213191	RUBICON LLC	GEISMAR, LA	2,529,760
5	MID000724724	THE DOW CHEMICAL COMPANY	MIDLAND, MI	2,037,721
6	TXD059685339	THE SHAMROCK PIPE LINE CORPORATION	SUNRAY, TX	1,776,386
7	MSD096046792	E.I. DU PONT DE NEMOURS AND CO	PASS CHRISTIAN, MS	1,735,698
8	LAD008175390	CYTEC INDUSTRIES INC.	WAGGAMAN, LA	1,603,618
9	TXD008080533	BP PRODUCTS NORTH AMERICA INC	TEXAS CITY, TX	1,531,604
10	TXD000751172	INEOS USA LLC	PORT LAVACA, TX	1,072,849
11	NYD000707901	IBM CORPORATION - EAST FISHKILL FACILITY	HOPEWELL JUNCTION, NY	972,567
12	NMD048918817	NAVAJO REFINING COMPANY LLC	ARTESIA, NM	940,146
13	OHD042157644	INEOS USA LLC	LIMA, OH	820,879
14	TXD083472266	LYONDELL CHEMICAL COMPANY	CHANNELVIEW, TX	815,234
15	TXR000057968	INVISTA SARL	VICTORIA, TX	796,993
16	TXD988088761	LUCITE INTERNATIONAL INC	NEDERLAND, TX	765,666
17	TXR000057752	INVISTA SARL	ORANGE, TX	606,466
18	TXD008081101	E I DU PONT DE NEMOURS AND COMPANY	BEAUMONT, TX	588,356
19	NDD006175467	TESORO REFINING AND MARKETING COMPANY	MANDAN, ND	537,773
20	IND003913423	ARCELORMITTAL BURNS HARBOR LLC	BURNS HARBOR, IN	483,407
21	MSD033417031	FIRST CHEMICAL CORPORATION	PASCAGOULA, MS	478,148
22	ILD042075333	CABOT CORP	TUSCOLA, IL	458,121
23	NJD986581437	425/445 ROUTE 440 PROPERTY LLC	JERSEY CITY, NJ	368,208
24	TXD008081697	BASF CORPORATION	FREEPORT, TX	284,469
25	TXD008106999	MERISOL USA LLC	HOUSTON, TX	276,396
26	TXD000838896	VEOLIA ES TECHNICAL SOLUTIONS LLC	PORT ARTHUR, TX	228,732
27	TN0000590612	EXIDE TECHNOLOGIES	BRISTOL, TN	193,802
28	TND053983862	JARDEN ZINC PRODUCTS, INC.	GREENEVILLE, TN	183,396
29	KSD007482029	OCCIDENTAL CHEMICAL CORP	WICHITA, KS	167,150
30	ARD006354161	REYNOLDS METALS COMPANY	ARKADELPHIA, AR	158,647
31	TND003337292	OLIN CHLOR ALKALI PRODUCTS	CHARLESTON, TN	155,880
32	ILD010284248	CID RECYCLING & DISPOSAL FAC	CALUMET CITY, IL	154,941
33	TXD087491973	ASARCO LLC	AMARILLO, TX	148,368
34	MOD050226075	BASF CORPORATION	PALMYRA, MO	138,753
35	ALD004019642	OCCIDENTAL CHEMICAL CORPORATION	MUSCLE SHOALS, AL	133,916
36	TXD008092793	THE DOW CHEMICAL COMPANY	FREEPORT, TX	126,731
37	ILD000805812	PEORIA DISPOSAL CO INC	PEORIA, IL	124,717
38	TND007024672	E I DUPONT DE NEMOURS & CO INC	MEMPHIS, TN	121,552
39	IND093219012	HERITAGE ENVIRONMENTAL SERVICES LLC	INDIANAPOLIS, IN	118,738
40	LAD020597597	ANGUS CHEMICAL COMPANY	STERLLINGTON, LA	112,838
41	LAR000057828	CYRO INDUSTRIES-METHYL METHACRYLATE UNIT	WAGGAMAN, LA	112,141
42	TXD026481523	KM LIQUIDS TERMINALS LLC	GALENA PARK, TX	104,465
43	LAR000041087	LCCC	WESTLAKE, LA	103,250
44	ARD043195429	GREAT LAKES CHEMICAL CORP. CENTRAL PLANT	EL DORADO, AR	103,167
45	MID000724831	EQ - THE ENVIRONMENTAL QUALITY COMPANY	BELLEVILLE, MI	99,724
46	LAD980622104	HEXION SPECIALTY CHEMICALS INC.	NORCO, LA	99,350
47	KSD980633259	SYSTECH ENVIRONMENTAL CORP	FREDONIA, KS	96,903
48	TND982139115	UNISYS EARHART SITE, BRISTOL TN	BRISTOL, TN	94,169
49	TXD058275769	EQUISTAR CHEMICALS LP	CHANNELVIEW, TX	89,830
50	FLR000068007	K.C. INDUSTRIES, L.L.C., MULBERRY, FLORI	MULBERRY, FL	89,023
Total				38,842,856

Note: Column may not sum due to rounding.

Exhibit 1.5 Number of Hazardous Waste Generators by Generator Quantity Range, 2007

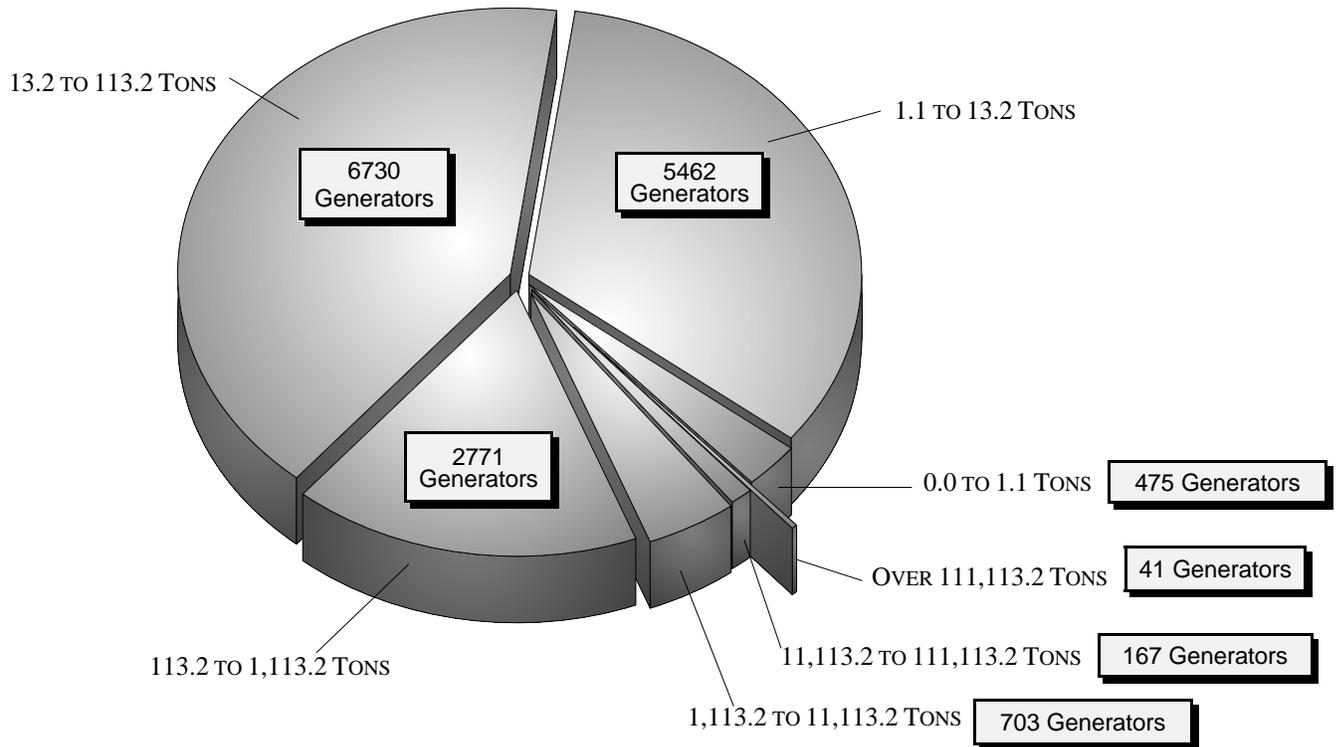
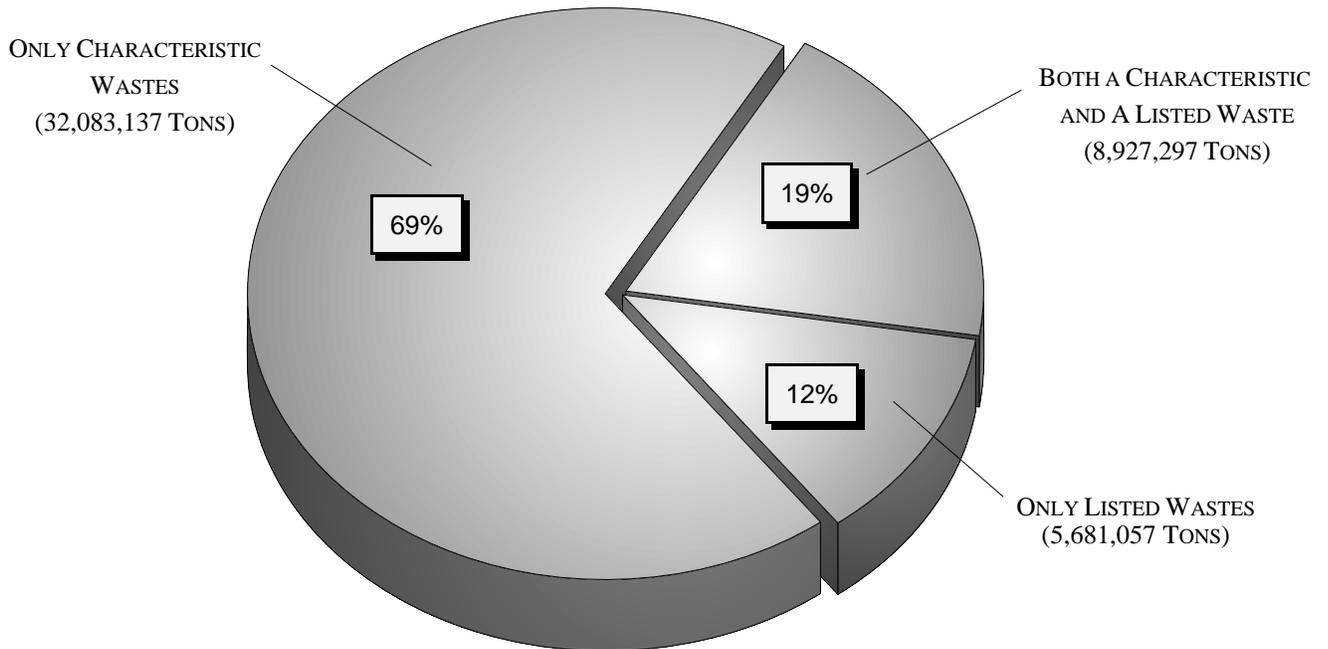


Exhibit 1.6 Percentages of National Generation Total That Were Characteristic, Listed, or Both Characteristic and Listed Waste, 2007



National Biennial RCRA Hazardous Waste Report: Based on 2007 Data

Exhibit 1.7 Tons of Generated Waste That Were Only Characteristic Waste, Only Listed Waste, or Both Characteristic and Listed Waste, 2007

Only Characteristic Wastes		Only Listed Wastes		Both a Characteristic and a Listed Waste	
ONLY IGNITABLE	1,148,036	ONLY AN F CODE	1,246,178		
ONLY CORROSIVE	12,543,024	ONLY A K CODE	2,801,875		
ONLY REACTIVE	22,957	ONLY A P CODE	9,269		
ONLY D004-17	2,017,355	ONLY A U CODE	149,828		
ONLY D018-43	4,410,674				
HAS MORE THAN ONE CHARACTERISTIC CODE	11,941,092	HAS MORE THAN ONE LISTED CODE	1,473,907		
TOTAL	32,083,137	TOTAL	5,681,057	Both Characteristic and Listed	8,927,297

Note: All quantities are in tons.

Exhibit 1.8 Tons of Generated Waste with Multiple Characteristics, That Were Multiply Listed, or Both, 2007

Only Characteristic Wastes But With Multiple Characteristics		Only Listed Wastes But Multiply Listed		Both Characteristic and Listed Wastes ¹	
HAS IGNITABLE CODE	1,796,323			IGNITABLE CODE W/ AT LEAST ONE LISTED CODE	2,176,592
HAS CORROSIVE CODE	9,376,765			CORROSIVE CODE W/ AT LEAST ONE LISTED CODE	3,184,581
HAS REACTIVE CODE	2,521,218			REACTIVE CODE W/ AT LEAST ONE LISTED CODE	2,731,040
HAS D004-17 CODE	7,291,203			D004-17 CODE W/ AT LEAST ONE LISTED CODE	1,455,250
HAS D018-43 CODE	7,525,264			D018-43 CODE W/ AT LEAST ONE LISTED CODE	6,256,036
		HAS F CODE	1,454,397	F WASTE W/ AT LEAST ONE CHARACTERISTIC CODE	4,833,689
		HAS K CODE	1,434,704	K WASTE W/ AT LEAST ONE CHARACTERISTIC CODE	5,899,762
		HAS P CODE	113,228	P WASTE W/ AT LEAST ONE CHARACTERISTIC CODE	1,328,671
		HAS U CODE	271,270	U WASTE W/ AT LEAST ONE CHARACTERISTIC CODE	4,116,708
TOTAL	11,941,092	TOTAL	1,473,907	TOTAL	8,927,297

¹Listed 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.

National Biennial RCRA Hazardous Waste Report: Based on 2007 Data

Exhibit 1.9 Fifty Largest Quantities of Hazardous Waste Generated, by Primary NAICS Code in the U.S., 2007

Rank	NAICS Code	Description	Tons Generated
1	3251	Basic Chemical Manufacturing	31,666,943
2	3241	Petroleum and Coal Products Manufacturing	5,130,594
3	5622	Waste Treatment and Disposal	1,963,662
4	3311	Iron and Steel Mills and Ferroalloy Manufacturing	1,557,174
5	3344	Semiconductor and Other Electronic Component Manufacturing	1,070,605
6	5629	Remediation and Other Waste Management Services	691,782
7	3328	Coating, Engraving, Heat Treating, and Allied Activities	689,847
8	3314	Nonferrous Metal (except Aluminum) Production and Processing	447,961
9	3254	Pharmaceutical and Medicine Manufacturing	324,826
10	3252	Resin, Synthetic Rubber, and Artificial Synthetic Fibers and Filaments Manufacturing	278,763
11	3259	Other Chemical Product and Preparation Manufacturing	274,138
12	3253	Pesticide, Fertilizer, and Other Agricultural Chemical Manufacturing	267,490
13	3359	Other Electrical Equipment and Component Manufacturing	252,326
14	3312	Steel Product Manufacturing from Purchased Steel	146,720
15	9281	National Security and International Affairs	140,119
16	4931	Warehousing and Storage	137,254
17	3255	Paint, Coating, and Adhesive Manufacturing	126,727
18	3329	Other Fabricated Metal Product Manufacturing	116,811
19	3313	Alumina and Aluminum Production and Processing	88,193
20	3364	Aerospace Product and Parts Manufacturing	82,996
21	3325	Hardware Manufacturing	66,623
22	4246	Chemical and Allied Products Merchant Wholesalers	59,553
23	3261	Plastics Product Manufacturing	59,426
24	3211	Sawmills and Wood Preservation	45,377
25	5614	Business Support Services	41,980
26	3363	Motor Vehicle Parts Manufacturing	38,135
27	3327	Machine Shops; Turned Product; and Screw, Nut, and Bolt Manufacturing	36,334
28	5621	Waste Collection	36,283
29	3361	Motor Vehicle Manufacturing	35,705
30	3315	Foundries	30,907
31	3273	Cement and Concrete Product Manufacturing	30,110
32	3256	Soap, Cleaning Compound, and Toilet Preparation Manufacturing	28,388
33	3231	Printing and Related Support Activities	27,831
34	3399	Other Miscellaneous Manufacturing	23,819
35	3332	Industrial Machinery Manufacturing	21,813
36	5417	Scientific Research and Development Services	20,611
37	5311	Lessors of Real Estate	18,112
38	3222	Converted Paper Product Manufacturing	17,719
39	3323	Architectural and Structural Metals Manufacturing	16,975
40	3391	Medical Equipment and Supplies Manufacturing	16,947
41	3322	Cutlery and Handtool Manufacturing	16,324
42	3321	Forging and Stamping	16,076
43	2211	Electric Power Generation, Transmission and Distribution	15,718
44	5413	Architectural, Engineering, and Related Services	15,423
45	3371	Household and Institutional Furniture and Kitchen Cabinet Manufacturing	14,899
46	3272	Glass and Glass Product Manufacturing	14,407
47	3366	Ship and Boat Building	13,598
48	4851	Urban Transit Systems	13,386
49	4821	Rail Transportation	12,186
50	2111	Oil and Gas Extraction	11,991
Total			46,271,585

Note: Column may not sum due to rounding.

National Biennial RCRA Hazardous Waste Report: Based on 2007 Data

Exhibit 2.1 Quantity of RCRA Hazardous Waste Managed and Number of RCRA Management Facilities, by State, 2007

State	Hazardous Waste Quantity			Number of Facilities			Reported Status	
	Rank	Tons Managed	Percentage	Rank	Number	Percentage	TSDf	Non-TSDf
ALABAMA	18	473,440	0.9	22	25	1.8	10	15
ALASKA	46	408	0.0	44	3	0.2	2	1
ARIZONA	34	42,857	0.1	41	6	0.4	4	2
ARKANSAS	14	633,458	1.3	24	22	1.6	9	13
CALIFORNIA	13	661,656	1.3	2	110	7.9	50	60
COLORADO	31	100,679	0.2	28	18	1.3	7	11
CONNECTICUT	42	11,386	0.0	26	19	1.4	7	12
DELAWARE	47	375	0.0	41	6	0.4	1	5
DISTRICT OF COLUMBIA	52	0	0.0	52	0	0.0	0	0
FLORIDA	11	760,889	1.5	16	32	2.3	14	18
GEORGIA	12	738,718	1.5	9	41	2.9	10	31
GUAM	49	2	0.0	48	1	0.1	1	0
HAWAII	51	0	0.0	48	1	0.1	1	0
IDAHO	19	459,592	0.9	44	3	0.2	3	0
ILLINOIS	8	1,220,335	2.4	17	31	2.2	18	13
INDIANA	10	1,140,159	2.3	10	39	2.8	17	22
IOWA	44	827	0.0	26	19	1.4	2	17
KANSAS	7	1,241,684	2.5	25	20	1.4	9	11
KENTUCKY	17	480,825	1.0	13	38	2.7	13	25
LOUISIANA	1	15,776,662	31.3	10	39	2.8	20	19
MAINE	45	531	0.0	34	10	0.7	1	9
MARYLAND	35	41,552	0.1	36	8	0.6	5	3
MASSACHUSETTS	24	274,209	0.5	15	35	2.5	3	32
MICHIGAN	4	2,480,020	4.9	28	18	1.3	13	5
MINNESOTA	22	290,620	0.6	17	31	2.2	7	24
MISSISSIPPI	3	2,514,891	5.0	32	12	0.9	5	7
MISSOURI	20	371,662	0.7	19	29	2.1	12	17
MONTANA	41	19,809	0.0	47	2	0.1	1	1
NAVAJO NATION	52	0	0.0	52	0	0.0	0	0
NEBRASKA	37	30,605	0.1	38	7	0.5	2	5
NEVADA	30	106,113	0.2	38	7	0.5	5	2
NEW HAMPSHIRE	52	0	0.0	52	0	0.0	0	0
NEW JERSEY	23	288,559	0.6	13	38	2.7	13	25
NEW MEXICO	38	28,156	0.1	33	11	0.8	7	4
NEW YORK	9	1,194,363	2.4	3	104	7.5	17	87
NORTH CAROLINA	40	21,580	0.0	10	39	2.8	10	29
NORTH DAKOTA	15	537,350	1.1	44	3	0.2	3	0
OHIO	6	1,728,196	3.4	7	51	3.7	28	23
OKLAHOMA	27	160,866	0.3	22	25	1.8	4	21
OREGON	32	75,885	0.2	19	29	2.1	3	26
PENNSYLVANIA	16	527,150	1.0	6	52	3.7	23	29
PUERTO RICO	39	21,812	0.0	38	7	0.5	6	1
RHODE ISLAND	43	2,844	0.0	36	8	0.6	2	6
SOUTH CAROLINA	26	201,943	0.4	34	10	0.7	10	0
SOUTH DAKOTA	50	2	0.0	48	1	0.1	0	1
TENNESSEE	5	1,845,662	3.7	5	78	5.6	15	63
TEXAS	2	13,109,007	26.0	1	114	8.2	61	53
TRUST TERRITORIES	52	0	0.0	52	0	0.0	0	0
UTAH	28	137,855	0.3	30	15	1.1	11	4
VERMONT	21	298,414	0.6	41	6	0.4	2	4
VIRGIN ISLANDS	48	3	0.0	48	1	0.1	1	0
VIRGINIA	33	56,210	0.1	21	27	1.9	11	16
WASHINGTON	29	120,234	0.2	4	80	5.7	14	66
WEST VIRGINIA	36	39,971	0.1	31	13	0.9	9	4
WISCONSIN	25	212,898	0.4	7	51	3.7	14	37
WYOMING	52	0	0.0	52	0	0.0	0	0
Total		50,482,925	100.0		1,395	100.0	516	879

Notes: Columns may not sum due to rounding.
Facilities reporting storage-only and their quantity managed are excluded.

National Biennial RCRA Hazardous Waste Report: Based on 2007 Data

Exhibit 2.2 Rank Ordering of States Based on Quantity of RCRA Hazardous Waste Managed and Number of RCRA Management Facilities, 2007

State	Hazardous Waste Quantity			Number of Facilities			Reported Status	
	Rank	Tons Managed	Percentage	Rank	Number	Percentage	TSDF	Non-TSDF
LOUISIANA	1	15,776,662	31.3	10	39	2.8	20	19
TEXAS	2	13,109,007	26.0	1	114	8.2	61	53
MISSISSIPPI	3	2,514,891	5.0	32	12	0.9	5	7
MICHIGAN	4	2,480,020	4.9	28	18	1.3	13	5
TENNESSEE	5	1,845,662	3.7	5	78	5.6	15	63
OHIO	6	1,728,196	3.4	7	51	3.7	28	23
KANSAS	7	1,241,684	2.5	25	20	1.4	9	11
ILLINOIS	8	1,220,335	2.4	17	31	2.2	18	13
NEW YORK	9	1,194,363	2.4	3	104	7.5	17	87
INDIANA	10	1,140,159	2.3	10	39	2.8	17	22
FLORIDA	11	760,889	1.5	16	32	2.3	14	18
GEORGIA	12	738,718	1.5	9	41	2.9	10	31
CALIFORNIA	13	661,656	1.3	2	110	7.9	50	60
ARKANSAS	14	633,458	1.3	24	22	1.6	9	13
NORTH DAKOTA	15	537,350	1.1	44	3	0.2	3	0
PENNSYLVANIA	16	527,150	1.0	6	52	3.7	23	29
KENTUCKY	17	480,825	1.0	13	38	2.7	13	25
ALABAMA	18	473,440	0.9	22	25	1.8	10	15
IDAHO	19	459,592	0.9	44	3	0.2	3	0
MISSOURI	20	371,662	0.7	19	29	2.1	12	17
VERMONT	21	298,414	0.6	41	6	0.4	2	4
MINNESOTA	22	290,620	0.6	17	31	2.2	7	24
NEW JERSEY	23	288,559	0.6	13	38	2.7	13	25
MASSACHUSETTS	24	274,209	0.5	15	35	2.5	3	32
WISCONSIN	25	212,898	0.4	7	51	3.7	14	37
SOUTH CAROLINA	26	201,943	0.4	34	10	0.7	10	0
OKLAHOMA	27	160,866	0.3	22	25	1.8	4	21
UTAH	28	137,855	0.3	30	15	1.1	11	4
WASHINGTON	29	120,234	0.2	4	80	5.7	14	66
NEVADA	30	106,113	0.2	38	7	0.5	5	2
COLORADO	31	100,679	0.2	28	18	1.3	7	11
OREGON	32	75,885	0.2	19	29	2.1	3	26
VIRGINIA	33	56,210	0.1	21	27	1.9	11	16
ARIZONA	34	42,857	0.1	41	6	0.4	4	2
MARYLAND	35	41,552	0.1	36	8	0.6	5	3
WEST VIRGINIA	36	39,971	0.1	31	13	0.9	9	4
NEBRASKA	37	30,605	0.1	38	7	0.5	2	5
NEW MEXICO	38	28,156	0.1	33	11	0.8	7	4
PUERTO RICO	39	21,812	0.0	38	7	0.5	6	1
NORTH CAROLINA	40	21,580	0.0	10	39	2.8	10	29
MONTANA	41	19,809	0.0	47	2	0.1	1	1
CONNECTICUT	42	11,386	0.0	26	19	1.4	7	12
RHODE ISLAND	43	2,844	0.0	36	8	0.6	2	6
IOWA	44	827	0.0	26	19	1.4	2	17
MAINE	45	531	0.0	34	10	0.7	1	9
ALASKA	46	408	0.0	44	3	0.2	2	1
DELAWARE	47	375	0.0	41	6	0.4	1	5
VIRGIN ISLANDS	48	3	0.0	48	1	0.1	1	0
GUAM	49	2	0.0	48	1	0.1	1	0
SOUTH DAKOTA	50	2	0.0	48	1	0.1	0	1
HAWAII	51	0	0.0	48	1	0.1	1	0
DISTRICT OF COLUMBIA	52	0	0.0	52	0	0.0	0	0
NAVAJO NATION	52	0	0.0	52	0	0.0	0	0
NEW HAMPSHIRE	52	0	0.0	52	0	0.0	0	0
TRUST TERRITORIES	52	0	0.0	52	0	0.0	0	0
WYOMING	52	0	0.0	52	0	0.0	0	0
Total		50,482,925	100.0		1,395	100.0	516	879

Notes: Columns may not sum due to rounding.
Facilities reporting storage-only and their quantity managed are excluded.

National Biennial RCRA Hazardous Waste Report: Based on 2007 Data

Exhibit 2.3 Rank Ordering of States Based on Number of RCRA Management Facilities and Quantity of RCRA Hazardous Waste Managed, 2007

State	Number of Facilities			Hazardous Waste Quantity			Reported Status	
	Rank	Number	Percentage	Rank	Tons Managed	Percentage	TSDf	Non-TSDf
TEXAS	1	114	8.2	2	13,109,007	26.0	61	53
CALIFORNIA	2	110	7.9	13	661,656	1.3	50	60
NEW YORK	3	104	7.5	9	1,194,363	2.4	17	87
WASHINGTON	4	80	5.7	29	120,234	0.2	14	66
TENNESSEE	5	78	5.6	5	1,845,662	3.7	15	63
PENNSYLVANIA	6	52	3.7	16	527,150	1.0	23	29
OHIO	7	51	3.7	6	1,728,196	3.4	28	23
WISCONSIN	7	51	3.7	25	212,898	0.4	14	37
GEORGIA	9	41	2.9	12	738,718	1.5	10	31
INDIANA	10	39	2.8	10	1,140,159	2.3	17	22
LOUISIANA	10	39	2.8	1	15,776,662	31.3	20	19
NORTH CAROLINA	10	39	2.8	40	21,580	0.0	10	29
KENTUCKY	13	38	2.7	17	480,825	1.0	13	25
NEW JERSEY	13	38	2.7	23	288,559	0.6	13	25
MASSACHUSETTS	15	35	2.5	24	274,209	0.5	3	32
FLORIDA	16	32	2.3	11	760,889	1.5	14	18
ILLINOIS	17	31	2.2	8	1,220,335	2.4	18	13
MINNESOTA	17	31	2.2	22	290,620	0.6	7	24
MISSOURI	19	29	2.1	20	371,662	0.7	12	17
OREGON	19	29	2.1	32	75,885	0.2	3	26
VIRGINIA	21	27	1.9	33	56,210	0.1	11	16
ALABAMA	22	25	1.8	18	473,440	0.9	10	15
OKLAHOMA	22	25	1.8	27	160,866	0.3	4	21
ARKANSAS	24	22	1.6	14	633,458	1.3	9	13
KANSAS	25	20	1.4	7	1,241,684	2.5	9	11
CONNECTICUT	26	19	1.4	42	11,386	0.0	7	12
IOWA	26	19	1.4	44	827	0.0	2	17
COLORADO	28	18	1.3	31	100,679	0.2	7	11
MICHIGAN	28	18	1.3	4	2,480,020	4.9	13	5
UTAH	30	15	1.1	28	137,855	0.3	11	4
WEST VIRGINIA	31	13	0.9	36	39,971	0.1	9	4
MISSISSIPPI	32	12	0.9	3	2,514,891	5.0	5	7
NEW MEXICO	33	11	0.8	38	28,156	0.1	7	4
MAINE	34	10	0.7	45	531	0.0	1	9
SOUTH CAROLINA	34	10	0.7	26	201,943	0.4	10	0
MARYLAND	36	8	0.6	35	41,552	0.1	5	3
RHODE ISLAND	36	8	0.6	43	2,844	0.0	2	6
NEBRASKA	38	7	0.5	37	30,605	0.1	2	5
NEVADA	38	7	0.5	30	106,113	0.2	5	2
PUERTO RICO	38	7	0.5	39	21,812	0.0	6	1
ARIZONA	41	6	0.4	34	42,857	0.1	4	2
DELAWARE	41	6	0.4	47	375	0.0	1	5
VERMONT	41	6	0.4	21	298,414	0.6	2	4
ALASKA	44	3	0.2	46	408	0.0	2	1
IDAHO	44	3	0.2	19	459,592	0.9	3	0
NORTH DAKOTA	44	3	0.2	15	537,350	1.1	3	0
MONTANA	47	2	0.1	41	19,809	0.0	1	1
GUAM	48	1	0.1	49	2	0.0	1	0
HAWAII	48	1	0.1	51	0	0.0	1	0
SOUTH DAKOTA	48	1	0.1	50	2	0.0	0	1
VIRGIN ISLANDS	48	1	0.1	48	3	0.0	1	0
DISTRICT OF COLUMBIA	52	0	0.0	52	0	0.0	0	0
NAVAJO NATION	52	0	0.0	52	0	0.0	0	0
NEW HAMPSHIRE	52	0	0.0	52	0	0.0	0	0
TRUST TERRITORIES	52	0	0.0	52	0	0.0	0	0
WYOMING	52	0	0.0	52	0	0.0	0	0
Total		1,395	100.0		50,482,925	100.0	516	879

Notes: Columns may not sum due to rounding.
Facilities reporting storage-only and their quantity managed are excluded.

National Biennial RCRA Hazardous Waste Report: Based on 2007 Data

Exhibit 2.4 Fifty Largest RCRA Hazardous Waste Managers in the U.S., 2007

Rank	EPA ID	Name	City	Tons Managed ¹
1	LAD008187080	PLAQUEMINE_THE DOW CHEMICAL COMPANY	PLAQUEMINE	8,123,405
2	TXD001700806	SOLUTIA INC	ALVIN	3,141,358
3	LAD003913316	OCCIDENTAL CHEMICAL CORP. - TAFT PLANT	HAHNVILLE	2,804,970
4	LAD008213191	RUBICON LLC	GEISMAR	2,520,206
5	MID000724724	THE DOW CHEMICAL COMPANY	MIDLAND	2,039,460
6	TXD059685339	THE SHAMROCK PIPE LINE CORPORATION	SUNRAY	1,771,241
7	LAD008175390	CYTEC INDUSTRIES INC.	WAGGAMAN	1,747,084
8	MSD096046792	E.I. DU PONT DE NEMOURS AND CO	PASS CHRISTIAN	1,735,686
9	TXD008080533	BP PRODUCTS NORTH AMERICA INC	TEXAS CITY	1,519,041
10	TXD000751172	INEOS USA LLC	PORT LAVACA	1,071,977
11	KSD007482029	OCCIDENTAL CHEMICAL CORP	WICHITA	1,015,247
12	NYD000707901	IBM CORPORATION - EAST FISHKILL FACILITY	HOPEWELL JUNCTION	971,394
13	TND982139115	UNISYS EARHART SITE, BRISTOL TN	BRISTOL	941,690
14	TXD083472266	LYONDELL CHEMICAL COMPANY	CHANNELVIEW	830,402
15	OHD042157644	INEOS USA LLC	LIMA	820,619
16	TXR000057968	INVISTA SARL	VICTORIA	790,388
17	TXD988088761	LUCITE INTERNATIONAL INC	NEDERLAND	764,900
18	TXR000057752	INVISTA SARL	ORANGE	593,865
19	TXD008081101	E I DU PONT DE NEMOURS AND COMPANY	BEAUMONT	585,558
20	NDD006175467	TESORO REFINING AND MARKETING COMPANY	MANDAN	537,283
21	GAD040690737	OLIN CORPORATION	AUGUSTA	522,616
22	FLD008155673	AIR PRODUCTS AND CHEMICALS, INC.	PACE	507,487
23	TXD008081697	BASF CORPORATION	FREEMPORT	499,488
24	IND003913423	ARCELORMITTAL BURNS HARBOR LLC	BURNS HARBOR	483,263
25	MSD033417031	FIRST CHEMICAL CORPORATION	PASCAGOULA	476,153
26	IDD073114654	US ECOLOGY IDAHO INC SITE B	GRAND VIEW	458,023
27	ILD042075333	CABOT CORP	TUSCOLA	457,968
28	KYD985072008	WESTLAKE VINYL`S INC.	CALVERT CITY	390,558
29	VTD002084705	IBM CORPORATION	ESSEX JUNCTION	297,824
30	TXD008106999	MERISOL USA LLC	HOUSTON	275,987
31	MND006148092	GOPHER RESOURCE CORPORATION	EAGAN	249,398
32	MID000724831	EQ - THE ENVIRONMENTAL QUALITY COMPANY	BELLEVILLE	231,913
33	ILD000805812	PEORIA DISPOSAL CO INC	PEORIA	228,639
34	TXD000838896	VEOLIA ES TECHNICAL SOLUTIONS LLC	PORT ARTHUR	227,551
35	ARD006354161	REYNOLDS METALS COMPANY	ARKADELPHIA	217,924
36	OHD045243706	ENVIROSAFE SERVICES OF OHIO INC	OREGON	203,343
37	TN0000590612	EXIDE TECHNOLOGIES	BRISTOL	193,344
38	CAD066233966	QUEMETCO, INC.	CITY OF INDUSTRY	190,563
39	TND053983862	JARDEN ZINC PRODUCTS, INC.	GREENEVILLE	183,248
40	PAD002395887	HORSEHEAD CORP	PALMERTON	176,561
41	OHD020273819	VICKERY ENVIRONMENTAL INC	VICKERY	174,365
42	ILD010284248	CID RECYCLING & DISPOSAL FAC	CALUMET CITY	169,735
43	ILD040891368	HORSEHEAD CORP	CHICAGO	163,315
44	TND003337292	OLIN CHLOR ALKALI PRODUCTS	CHARLESTON	155,841
45	TXD087491973	ASARCO LLC	AMARILLO	148,039
46	MOD050226075	BASF CORPORATION	PALMYRA	138,048
47	ALD004019642	OCCIDENTAL CHEMICAL CORPORATION	MUSCLE SHOALS	133,478
48	MSD008183519	FERNWOOD INDUSTRIES, L.L.C.	FERNWOOD	132,074
49	IND093219012	HERITAGE ENVIRONMENTAL SERVICES LLC	INDIANAPOLIS	131,884
50	IND980503890	HERITAGE ENVIRONMENTAL SERVICES LLC	ROACHDALE	125,070
Total				42,269,472

¹Quantity managed by storage-only is excluded.

Note: Columns may not sum due to rounding.

National Biennial RCRA Hazardous Waste Report: Based on 2007 Data

Exhibit 2.5 Quantity of RCRA Hazardous Waste Managed, by Management Method, 2007

Management Method	Tons Managed	Percentage of Quantity	Number of Facilities ¹	Percentage of Facilities ¹
AQUEOUS INORGANIC TREATMENT	1,879,946	3.7	170	12.2
AQUEOUS ORGANIC TREATMENT	3,106,828	6.2	67	4.8
DEEPWELL OR UNDERGROUND INJECTION	21,505,921	42.6	42	3.0
ENERGY RECOVERY	1,764,693	3.5	91	6.5
FUEL BLENDING	737,397	1.5	112	8.0
INCINERATION	3,047,982	6.0	140	10.0
LAND TREATMENT/APPLICATION/FARMING	1,981	0.0	16	1.1
LANDFILL/SURFACE IMPOUNDMENT	1,939,712	3.8	67	4.8
METALS RECOVERY	1,116,357	2.2	137	9.8
OTHER DISPOSAL	12,363,634	24.5	91	6.5
OTHER RECOVERY	335,093	0.7	65	4.7
OTHER TREATMENT	1,298,339	2.6	353	25.3
SLUDGE TREATMENT	397,863	0.8	59	4.2
SOLVENTS RECOVERY	328,931	0.7	456	32.7
STABILIZATION	658,249	1.3	107	7.7
Total	50,482,925	100.0	1395	

Exhibit 2.6 Management Method, by Quantity of RCRA Hazardous Waste Managed, 2007

Management Method	Tons Managed	Percentage of Quantity	Number of Facilities ¹	Percentage of Facilities ¹
DEEPWELL OR UNDERGROUND INJECTION	21,505,921	42.6	42	3.0
OTHER DISPOSAL	12,363,634	24.5	91	6.5
AQUEOUS ORGANIC TREATMENT	3,106,828	6.2	67	4.8
INCINERATION	3,047,982	6.0	140	10.0
LANDFILL/SURFACE IMPOUNDMENT	1,939,712	3.8	67	4.8
AQUEOUS INORGANIC TREATMENT	1,879,946	3.7	170	12.2
ENERGY RECOVERY	1,764,693	3.5	91	6.5
OTHER TREATMENT	1,298,339	2.6	353	25.3
METALS RECOVERY	1,116,357	2.2	137	9.8
FUEL BLENDING	737,397	1.5	112	8.0
STABILIZATION	658,249	1.3	107	7.7
SLUDGE TREATMENT	397,863	0.8	59	4.2
OTHER RECOVERY	335,093	0.7	65	4.7
SOLVENTS RECOVERY	328,931	0.7	456	32.7
LAND TREATMENT/APPLICATION/FARMING	1,981	0.0	16	1.1
Total	50,482,925	100.0	1395	

Exhibit 2.7 Management Method and Quantity of RCRA Hazardous Waste Managed, by Number of Facilities, 2007

Management Method	Tons Managed	Percentage of Quantity	Number of Facilities ¹	Percentage of Facilities ¹
SOLVENTS RECOVERY	328,931	0.7	456	32.7
OTHER TREATMENT	1,298,339	2.6	353	25.3
AQUEOUS INORGANIC TREATMENT	1,879,946	3.7	170	12.2
INCINERATION	3,047,982	6.0	140	10.0
METALS RECOVERY	1,116,357	2.2	137	9.8
FUEL BLENDING	737,397	1.5	112	8.0
STABILIZATION	658,249	1.3	107	7.7
OTHER DISPOSAL	12,363,634	24.5	91	6.5
ENERGY RECOVERY	1,764,693	3.5	91	6.5
LANDFILL/SURFACE IMPOUNDMENT	1,939,712	3.8	67	4.8
AQUEOUS ORGANIC TREATMENT	3,106,828	6.2	67	4.8
OTHER RECOVERY	335,093	0.7	65	4.7
SLUDGE TREATMENT	397,863	0.8	59	4.2
DEEPWELL OR UNDERGROUND INJECTION	21,505,921	42.6	42	3.0
LAND TREATMENT/APPLICATION/FARMING	1,981	0.0	16	1.1
Total	50,482,925	100.0	1395	

¹ Column may not sum because facilities may have multiple handling methods.

Note: Columns for these exhibits may not sum due to rounding.
Facilities reporting storage-only and their quantity managed are excluded.

National Biennial RCRA Hazardous Waste Report: Based on 2007 Data

Exhibit 3.1 Quantity of RCRA Hazardous Waste Shipped and Number of Hazardous Waste Shippers, by State, 2007

State	Hazardous Waste Quantity			Number of Shippers			Reported Status	
	Rank	Tons Shipped	Percentage	Rank	Number	Percentage	LQG	Non-LQG
ALABAMA	12	206,103	2.9	24	217	1.3	217	0
ALASKA	49	2,126	0.0	43	45	0.3	34	11
ARIZONA	27	54,091	0.8	27	175	1.1	175	0
ARKANSAS	7	324,355	4.5	34	117	0.7	107	10
CALIFORNIA	3	643,078	9.0	1	2,293	14.1	2,097	196
COLORADO	35	39,961	0.6	33	120	0.7	104	16
CONNECTICUT	34	40,292	0.6	21	270	1.7	261	9
DELAWARE	38	19,374	0.3	42	54	0.3	45	9
DISTRICT OF COLUMBIA	53	765	0.0	50	22	0.1	19	3
FLORIDA	26	55,799	0.8	17	318	2.0	292	26
GEORGIA	28	53,196	0.7	16	323	2.0	289	34
GUAM	54	140	0.0	51	20	0.1	14	6
HAWAII	51	1,190	0.0	48	28	0.2	26	2
IDAHO	42	8,115	0.1	44	44	0.3	23	21
ILLINOIS	11	235,902	3.3	6	807	5.0	696	111
INDIANA	6	404,761	5.6	9	518	3.2	425	93
IOWA	30	48,771	0.7	30	158	1.0	133	25
KANSAS	16	121,012	1.7	25	202	1.2	161	41
KENTUCKY	14	167,635	2.3	21	270	1.7	263	7
LOUISIANA	5	474,088	6.6	15	336	2.1	324	12
MAINE	45	5,101	0.1	41	67	0.4	65	2
MARYLAND	31	46,795	0.7	35	108	0.7	108	0
MASSACHUSETTS	23	60,928	0.9	10	450	2.8	426	24
MICHIGAN	9	277,122	3.9	7	685	4.2	539	146
MINNESOTA	24	57,430	0.8	23	250	1.5	248	2
MISSISSIPPI	37	21,481	0.3	32	130	0.8	130	0
MISSOURI	20	66,428	0.9	18	280	1.7	254	26
MONTANA	41	9,377	0.1	46	39	0.2	39	0
NAVAJO NATION	55	35	0.0	54	1	0.0	1	0
NEBRASKA	36	39,889	0.6	39	80	0.5	54	26
NEVADA	39	14,476	0.2	40	73	0.4	73	0
NEW HAMPSHIRE	44	5,438	0.1	28	167	1.0	107	60
NEW JERSEY	4	596,791	8.3	8	668	4.1	641	27
NEW MEXICO	43	6,203	0.1	45	42	0.3	36	6
NEW YORK	10	274,622	3.8	2	1,167	7.2	883	284
NORTH CAROLINA	17	102,711	1.4	12	422	2.6	392	30
NORTH DAKOTA	50	1,249	0.0	53	13	0.1	13	0
OHIO	2	713,941	10.0	3	950	5.8	794	156
OKLAHOMA	33	42,266	0.6	29	162	1.0	0	162
OREGON	22	64,150	0.9	26	181	1.1	181	0
PENNSYLVANIA	8	295,716	4.1	5	821	5.0	743	78
PUERTO RICO	32	42,825	0.6	36	104	0.6	95	9
RHODE ISLAND	40	9,386	0.1	38	88	0.5	70	18
SOUTH CAROLINA	13	189,240	2.6	20	274	1.7	251	23
SOUTH DAKOTA	52	853	0.0	52	19	0.1	19	0
TENNESSEE	25	56,899	0.8	14	349	2.1	349	0
TEXAS	1	810,653	11.3	4	913	5.6	913	0
TRUST TERRITORIES	56	1	0.0	54	1	0.0	1	0
UTAH	18	88,589	1.2	37	91	0.6	91	0
VERMONT	48	2,482	0.0	47	35	0.2	34	1
VIRGIN ISLANDS	47	3,086	0.0	54	1	0.0	1	0
VIRGINIA	19	83,810	1.2	19	275	1.7	254	21
WASHINGTON	21	65,674	0.9	13	412	2.5	411	1
WEST VIRGINIA	29	49,476	0.7	31	131	0.8	90	41
WISCONSIN	15	155,602	2.2	11	449	2.8	449	0
WYOMING	46	3,955	0.1	49	23	0.1	17	6
Total		7,165,433	100.0		16,258	100.0	14,477	1,781

Note: Columns may not sum due to rounding.

National Biennial RCRA Hazardous Waste Report: Based on 2007 Data

Exhibit 3.2 Rank Ordering of States Based on Quantity of RCRA Hazardous Waste Shipped and Number of Hazardous Waste Shippers, 2007

State	Hazardous Waste Quantity			Number of Shippers			Reported Status	
	Rank	Tons Shipped	Percentage	Rank	Number	Percentage	LQG	Non-LQG
TEXAS	1	810,653	11.3	4	913	5.6	913	0
OHIO	2	713,941	10.0	3	950	5.8	794	156
CALIFORNIA	3	643,078	9.0	1	2,293	14.1	2,097	196
NEW JERSEY	4	596,791	8.3	8	668	4.1	641	27
LOUISIANA	5	474,088	6.6	15	336	2.1	324	12
INDIANA	6	404,761	5.6	9	518	3.2	425	93
ARKANSAS	7	324,355	4.5	34	117	0.7	107	10
PENNSYLVANIA	8	295,716	4.1	5	821	5.0	743	78
MICHIGAN	9	277,122	3.9	7	685	4.2	539	146
NEW YORK	10	274,622	3.8	2	1,167	7.2	883	284
ILLINOIS	11	235,902	3.3	6	807	5.0	696	111
ALABAMA	12	206,103	2.9	24	217	1.3	217	0
SOUTH CAROLINA	13	189,240	2.6	20	274	1.7	251	23
KENTUCKY	14	167,635	2.3	21	270	1.7	263	7
WISCONSIN	15	155,602	2.2	11	449	2.8	449	0
KANSAS	16	121,012	1.7	25	202	1.2	161	41
NORTH CAROLINA	17	102,711	1.4	12	422	2.6	392	30
UTAH	18	88,589	1.2	37	91	0.6	91	0
VIRGINIA	19	83,810	1.2	19	275	1.7	254	21
MISSOURI	20	66,428	0.9	18	280	1.7	254	26
WASHINGTON	21	65,674	0.9	13	412	2.5	411	1
OREGON	22	64,150	0.9	26	181	1.1	181	0
MASSACHUSETTS	23	60,928	0.9	10	450	2.8	426	24
MINNESOTA	24	57,430	0.8	23	250	1.5	248	2
TENNESSEE	25	56,899	0.8	14	349	2.1	349	0
FLORIDA	26	55,799	0.8	17	318	2.0	292	26
ARIZONA	27	54,091	0.8	27	175	1.1	175	0
GEORGIA	28	53,196	0.7	16	323	2.0	289	34
WEST VIRGINIA	29	49,476	0.7	31	131	0.8	90	41
IOWA	30	48,771	0.7	30	158	1.0	133	25
MARYLAND	31	46,795	0.7	35	108	0.7	108	0
PUERTO RICO	32	42,825	0.6	36	104	0.6	95	9
OKLAHOMA	33	42,266	0.6	29	162	1.0	0	162
CONNECTICUT	34	40,292	0.6	21	270	1.7	261	9
COLORADO	35	39,961	0.6	33	120	0.7	104	16
NEBRASKA	36	39,889	0.6	39	80	0.5	54	26
MISSISSIPPI	37	21,481	0.3	32	130	0.8	130	0
DELAWARE	38	19,374	0.3	42	54	0.3	45	9
NEVADA	39	14,476	0.2	40	73	0.4	73	0
RHODE ISLAND	40	9,386	0.1	38	88	0.5	70	18
MONTANA	41	9,377	0.1	46	39	0.2	39	0
IDAHO	42	8,115	0.1	44	44	0.3	23	21
NEW MEXICO	43	6,203	0.1	45	42	0.3	36	6
NEW HAMPSHIRE	44	5,438	0.1	28	167	1.0	107	60
MAINE	45	5,101	0.1	41	67	0.4	65	2
WYOMING	46	3,955	0.1	49	23	0.1	17	6
VIRGIN ISLANDS	47	3,086	0.0	54	1	0.0	1	0
VERMONT	48	2,482	0.0	47	35	0.2	34	1
ALASKA	49	2,126	0.0	43	45	0.3	34	11
NORTH DAKOTA	50	1,249	0.0	53	13	0.1	13	0
HAWAII	51	1,190	0.0	48	28	0.2	26	2
SOUTH DAKOTA	52	853	0.0	52	19	0.1	19	0
DISTRICT OF COLUMBIA	53	765	0.0	50	22	0.1	19	3
GUAM	54	140	0.0	51	20	0.1	14	6
NAVAJO NATION	55	35	0.0	54	1	0.0	1	0
TRUST TERRITORIES	56	1	0.0	54	1	0.0	1	0
Total		7,165,433	100.0		16,258	100.0	14,477	1,781

Note: Columns may not sum due to rounding.

National Biennial RCRA Hazardous Waste Report: Based on 2007 Data

Exhibit 3.3 Rank Ordering of States Based on Number of Hazardous Waste Shippers and Quantity of RCRA Hazardous Waste Shipped, 2007

State	Number of Shippers			Hazardous Waste Quantity			Reported Status	
	Rank	Number	Percentage	Rank	Tons Shipped	Percentage	LQG	Non-LQG
CALIFORNIA	1	2,293	14.1	3	643,078	9.0	2,097	196
NEW YORK	2	1,167	7.2	10	274,622	3.8	883	284
OHIO	3	950	5.8	2	713,941	10.0	794	156
TEXAS	4	913	5.6	1	810,653	11.3	913	0
PENNSYLVANIA	5	821	5.0	8	295,716	4.1	743	78
ILLINOIS	6	807	5.0	11	235,902	3.3	696	111
MICHIGAN	7	685	4.2	9	277,122	3.9	539	146
NEW JERSEY	8	668	4.1	4	596,791	8.3	641	27
INDIANA	9	518	3.2	6	404,761	5.6	425	93
MASSACHUSETTS	10	450	2.8	23	60,928	0.9	426	24
WISCONSIN	11	449	2.8	15	155,602	2.2	449	0
NORTH CAROLINA	12	422	2.6	17	102,711	1.4	392	30
WASHINGTON	13	412	2.5	21	65,674	0.9	411	1
TENNESSEE	14	349	2.1	25	56,899	0.8	349	0
LOUISIANA	15	336	2.1	5	474,088	6.6	324	12
GEORGIA	16	323	2.0	28	53,196	0.7	289	34
FLORIDA	17	318	2.0	26	55,799	0.8	292	26
MISSOURI	18	280	1.7	20	66,428	0.9	254	26
VIRGINIA	19	275	1.7	19	83,810	1.2	254	21
SOUTH CAROLINA	20	274	1.7	13	189,240	2.6	251	23
CONNECTICUT	21	270	1.7	34	40,292	0.6	261	9
KENTUCKY	21	270	1.7	14	167,635	2.3	263	7
MINNESOTA	23	250	1.5	24	57,430	0.8	248	2
ALABAMA	24	217	1.3	12	206,103	2.9	217	0
KANSAS	25	202	1.2	16	121,012	1.7	161	41
OREGON	26	181	1.1	22	64,150	0.9	181	0
ARIZONA	27	175	1.1	27	54,091	0.8	175	0
NEW HAMPSHIRE	28	167	1.0	44	5,438	0.1	107	60
OKLAHOMA	29	162	1.0	33	42,266	0.6	0	162
IOWA	30	158	1.0	30	48,771	0.7	133	25
WEST VIRGINIA	31	131	0.8	29	49,476	0.7	90	41
MISSISSIPPI	32	130	0.8	37	21,481	0.3	130	0
COLORADO	33	120	0.7	35	39,961	0.6	104	16
ARKANSAS	34	117	0.7	7	324,355	4.5	107	10
MARYLAND	35	108	0.7	31	46,795	0.7	108	0
PUERTO RICO	36	104	0.6	32	42,825	0.6	95	9
UTAH	37	91	0.6	18	88,589	1.2	91	0
RHODE ISLAND	38	88	0.5	40	9,386	0.1	70	18
NEBRASKA	39	80	0.5	36	39,889	0.6	54	26
NEVADA	40	73	0.4	39	14,476	0.2	73	0
MAINE	41	67	0.4	45	5,101	0.1	65	2
DELAWARE	42	54	0.3	38	19,374	0.3	45	9
ALASKA	43	45	0.3	49	2,126	0.0	34	11
IDAHO	44	44	0.3	42	8,115	0.1	23	21
NEW MEXICO	45	42	0.3	43	6,203	0.1	36	6
MONTANA	46	39	0.2	41	9,377	0.1	39	0
VERMONT	47	35	0.2	48	2,482	0.0	34	1
HAWAII	48	28	0.2	51	1,190	0.0	26	2
WYOMING	49	23	0.1	46	3,955	0.1	17	6
DISTRICT OF COLUMBIA	50	22	0.1	53	765	0.0	19	3
GUAM	51	20	0.1	54	140	0.0	14	6
SOUTH DAKOTA	52	19	0.1	52	853	0.0	19	0
NORTH DAKOTA	53	13	0.1	50	1,249	0.0	13	0
NAVAJO NATION	54	1	0.0	55	35	0.0	1	0
TRUST TERRITORIES	54	1	0.0	56	1	0.0	1	0
VIRGIN ISLANDS	54	1	0.0	47	3,086	0.0	1	0
Total		16,258	100.0		7,165,433	100.0	14,477	1,781

Note: Columns may not sum due to rounding.

National Biennial RCRA Hazardous Waste Report: Based on 2007 Data

Exhibit 3.4 Fifty Largest RCRA Hazardous Waste Shippers in the U.S., 2007

Rank	EPA ID	Name	City	Tons Shipped
1	NJD986581437	425/445 ROUTE 440 PROPERTY LLC	JERSEY CITY, NJ	368,208
2	IND093219012	HERITAGE ENVIRONMENTAL SERVICES LLC	INDIANAPOLIS, IN	118,827
3	LAR000057828	CYRO INDUSTRIES-METHYL METHACRYLATE UNIT	WAGGAMAN, LA	112,141
4	ARD981057870	RINECO CHEMICAL INDUSTRIES, INC	BENTON, AR	108,693
5	TXD026481523	KM LIQUIDS TERMINALS LLC	GALENA PARK, TX	104,465
6	KSD980633259	SYSTECH ENVIRONMENTAL CORP	FREDONIA, KS	94,353
7	CAD981677180	DEPARTMENT OF WATER RESOURCES	BAKERSFIELD, CA	90,426
8	TXD058275769	EQUISTAR CHEMICALS LP	CHANNELVIEW, TX	88,609
9	LAD980622104	HEXION SPECIALTY CHEMICALS INC.	NORCO, LA	80,520
10	OHD005048947	SYSTECH ENVIRONMENTAL CORPORATION	PAULDING, OH	70,983
11	INR000001099	STEEL DYNAMICS INC	BUTLER, IN	60,196
12	SCR000002006	NUCOR STEEL BERKELEY COUNTY	HUGER, SC	53,263
13	SCD036275626	GIANT RESOURCE RECOVERY SUMTER INC	SUMTER, SC	51,808
14	KYD053348108	SAFETY-KLEEN SYSTEMS, INC.	SMITHFIELD, KY	51,137
15	MID087054078	MACSTEEL MONROE INC	MONROE, MI	50,069
16	ARD981908890	NUCOR-YAMATO STEEL COMPANY	ARMOREL, AR	46,024
17	IND000646943	POLLUTION CONTROL INDUSTRIES INC	EAST CHICAGO, IN	44,871
18	OHD093945293	VEOLIA ES TECHNICAL SOLUTIONS LLC	WEST CARROLLTON, OH	43,910
19	ARD983278243	NUCOR STEEL - ARKANSAS	BLYTHEVILLE, AR	43,330
20	CAD008302903	VEOLIA ES TECHNICAL SOLUTIONS, L.L.C.	AZUSA, CA	41,358
21	LAR000064360	CHAMPION TECHNOLOGIES - PITKIN, LOUISIANA	PITKIN, LA	40,154
22	OHD048415665	ROSS INCINERATION SERVICES INC	GRAFTON, OH	37,891
23	NJD002454544	MARISOL INCORPORATED	MIDDLESEX, NJ	37,291
24	WID000808568	W M W I - OMEGA HILLS LF	GERMANTOWN, WI	35,607
25	ARD983287889	LYCUS LTD.	EL DORADO, AR	35,421
26	NYP003602596	NYSDEC - FREEMANS BRIDGE ROAD	SCOTIA, NY	34,060
27	ARD069748192	CLEAN HARBORS EL DORADO, LLC	EL DORADO, AR	33,738
28	OHD000816629	SPRING GROVE RESOURCE RECOVERY	CINCINNATI, OH	33,416
29	ALR000006817	NUCOR STEEL DECATUR, LLC	TRINITY, AL	32,474
30	LAR000063263	KEMIRA WATER SOLUTIONS INC.	WAGGAMAN, LA	31,516
31	CAD059494310	CLEAN HARBORS SAN JOSE LLC	SAN JOSE, CA	31,223
32	UT5210090002	DESERET CHEMICAL DEPOT	STOCKTON, UT	30,855
33	ALD070513767	GIANT RESOURCE RECOVERY-ATTALLA INC	ATTALLA, AL	30,644
34	OHR000002279	NORTH STAR BLUE SCOPE STEEL LLC	DELTA, OH	30,034
35	AZD000625715	GOULD ELECTRONICS INC.	CHANDLER, AZ	29,748
36	LAD040776809	BASF GEISMAR SITE	GEISMAR, LA	29,336
37	OHD045243706	ENVIROSAFE SERVICES OF OHIO INC	OREGON, OH	29,292
38	ALR000014183	IPSCO STEEL (ALABAMA) INC	AXIS, AL	28,082
39	NCR000011197	NUCOR STEEL - HERTFORD COUNTY	COFIELD, NC	28,021
40	KYR000032045	NORTH AMERICAN STAINLESS	DEVON, KY	28,021
41	ORD009042532	USEPA SUPERFUND TAYLOR LUMBER TREATING	SHERIDAN, OR	27,553
42	WID098547854	W M W I - METRO RECYCLING & DISPOSAL	FRANKLIN, WI	27,504
43	NYD002080034	MPM SILICONES, LLC	WATERFORD, NY	27,474
44	KYD985115237	GALLATIN STEEL COMPANY	GHENT, KY	26,520
45	TXD058260977	BAYER MATERIALSCIENCE LLC	BAYTOWN, TX	26,373
46	CA1170090020	POINT LOMA COMPLEX NAVAL SUBMARINE BASE	SAN DIEGO, CA	25,724
47	OHD060409521	WCI STEEL INC	WARREN, OH	25,696
48	UTD981552177	CLEAN HARBORS ARAGONITE, LLC.	ARAGONITE, UT	24,794
49	NYD980506935	NYSDEC / KERRY CHEMICAL CO.	HANCOCK, NY	24,770
50	MID000820381	PHARMACIA & UPJOHN COMPANY LLC	PORTAGE, MI	24,715
Total				2,631,139

Note: Column may not sum due to rounding.

National Biennial RCRA Hazardous Waste Report: Based on 2007 Data

Exhibit 3.5 Quantity of RCRA Hazardous Waste Received and Number of Receivers, by State, 2007

State	Hazardous Waste Quantity			Number of Receivers			Reported Status	
	Rank	Tons Received	Percentage	Rank	Number	Percentage	TSDf	Non-TSDf
ALABAMA	17	136,860	1.9	18	10	1.9	8	2
ALASKA	49	10	0.0	36	4	0.7	2	2
ARIZONA	26	46,476	0.6	21	9	1.7	4	5
ARKANSAS	9	358,498	5.0	34	5	0.9	4	1
CALIFORNIA	4	490,961	6.8	1	62	11.5	40	22
COLORADO	30	34,413	0.5	24	8	1.5	7	1
CONNECTICUT	28	42,227	0.6	34	5	0.9	4	1
DELAWARE	47	100	0.0	46	1	0.2	1	0
DISTRICT OF COLUMBIA	50	0	0.0	50	0	0.0	0	0
FLORIDA	33	23,709	0.3	12	15	2.8	15	0
GEORGIA	38	5,693	0.1	18	10	1.9	10	0
GUAM	48	59	0.0	46	1	0.2	1	0
HAWAII	45	228	0.0	46	1	0.2	1	0
IDAHO	6	456,618	6.3	38	3	0.6	3	0
ILLINOIS	8	420,410	5.8	6	18	3.3	16	2
INDIANA	2	509,987	7.1	12	15	2.8	14	1
IOWA	42	432	0.0	38	3	0.6	3	0
KANSAS	12	221,157	3.1	27	7	1.3	7	0
KENTUCKY	21	75,083	1.0	18	10	1.9	9	1
LOUISIANA	10	352,288	4.9	10	16	3.0	11	5
MAINE	41	567	0.0	38	3	0.6	3	0
MARYLAND	27	43,171	0.6	36	4	0.7	2	2
MASSACHUSETTS	20	94,305	1.3	17	12	2.2	9	3
MICHIGAN	7	430,333	6.0	7	17	3.1	16	1
MINNESOTA	11	249,679	3.5	12	15	2.8	10	5
MISSISSIPPI	24	55,744	0.8	45	2	0.4	2	0
MISSOURI	16	175,651	2.4	7	17	3.1	9	8
MONTANA	50	0	0.0	50	0	0.0	0	0
NAVAJO NATION	50	0	0.0	50	0	0.0	0	0
NEBRASKA	31	32,399	0.5	38	3	0.6	3	0
NEVADA	19	112,700	1.6	27	7	1.3	5	2
NEW HAMPSHIRE	50	0	0.0	50	0	0.0	0	0
NEW JERSEY	13	220,797	3.1	15	14	2.6	9	5
NEW MEXICO	39	4,771	0.1	32	6	1.1	6	0
NEW YORK	14	201,030	2.8	5	20	3.7	15	5
NORTH CAROLINA	34	18,626	0.3	10	16	3.0	14	2
NORTH DAKOTA	44	305	0.0	38	3	0.6	3	0
OHIO	1	803,988	11.2	4	22	4.1	22	0
OKLAHOMA	22	69,232	1.0	21	9	1.7	2	7
OREGON	23	65,107	0.9	38	3	0.6	3	0
PENNSYLVANIA	5	460,906	6.4	3	24	4.4	22	2
PUERTO RICO	40	2,715	0.0	38	3	0.6	3	0
RHODE ISLAND	37	6,445	0.1	32	6	1.1	2	4
SOUTH CAROLINA	15	187,769	2.6	27	7	1.3	7	0
SOUTH DAKOTA	46	112	0.0	46	1	0.2	1	0
TENNESSEE	32	31,044	0.4	24	8	1.5	8	0
TEXAS	3	493,871	6.9	2	54	10.0	54	0
TRUST TERRITORIES	50	0	0.0	50	0	0.0	0	0
UTAH	18	134,772	1.9	24	8	1.5	8	0
VERMONT	43	335	0.0	27	7	1.3	4	3
VIRGIN ISLANDS	50	0	0.0	50	0	0.0	0	0
VIRGINIA	35	17,954	0.2	21	9	1.7	7	2
WASHINGTON	29	40,840	0.6	16	13	2.4	13	0
WEST VIRGINIA	36	13,474	0.2	27	7	1.3	6	1
WISCONSIN	25	55,379	0.8	7	17	3.1	14	3
WYOMING	50	0	0.0	50	0	0.0	0	0
Total		7,199,231	100.0		540	100.0	442	98

Note: Columns may not sum due to rounding.

National Biennial RCRA Hazardous Waste Report: Based on 2007 Data

Exhibit 3.6 Rank Ordering of States Based on Quantity of RCRA Hazardous Waste Received and Number of Receivers, 2007

State	Hazardous Waste Quantity			Number of Receivers			Reported Status	
	Rank	Tons Received	Percentage	Rank	Number	Percentage	TSDF	Non-TSDF
OHIO	1	803,988	11.2	4	22	4.1	22	0
INDIANA	2	509,987	7.1	12	15	2.8	14	1
TEXAS	3	493,871	6.9	2	54	10.0	54	0
CALIFORNIA	4	490,961	6.8	1	62	11.5	40	22
PENNSYLVANIA	5	460,906	6.4	3	24	4.4	22	2
IDAHO	6	456,618	6.3	38	3	0.6	3	0
MICHIGAN	7	430,333	6.0	7	17	3.1	16	1
ILLINOIS	8	420,410	5.8	6	18	3.3	16	2
ARKANSAS	9	358,498	5.0	34	5	0.9	4	1
LOUISIANA	10	352,288	4.9	10	16	3.0	11	5
MINNESOTA	11	249,679	3.5	12	15	2.8	10	5
KANSAS	12	221,157	3.1	27	7	1.3	7	0
NEW JERSEY	13	220,797	3.1	15	14	2.6	9	5
NEW YORK	14	201,030	2.8	5	20	3.7	15	5
SOUTH CAROLINA	15	187,769	2.6	27	7	1.3	7	0
MISSOURI	16	175,651	2.4	7	17	3.1	9	8
ALABAMA	17	136,860	1.9	18	10	1.9	8	2
UTAH	18	134,772	1.9	24	8	1.5	8	0
NEVADA	19	112,700	1.6	27	7	1.3	5	2
MASSACHUSETTS	20	94,305	1.3	17	12	2.2	9	3
KENTUCKY	21	75,083	1.0	18	10	1.9	9	1
OKLAHOMA	22	69,232	1.0	21	9	1.7	2	7
OREGON	23	65,107	0.9	38	3	0.6	3	0
MISSISSIPPI	24	55,744	0.8	45	2	0.4	2	0
WISCONSIN	25	55,379	0.8	7	17	3.1	14	3
ARIZONA	26	46,476	0.6	21	9	1.7	4	5
MARYLAND	27	43,171	0.6	36	4	0.7	2	2
CONNECTICUT	28	42,227	0.6	34	5	0.9	4	1
WASHINGTON	29	40,840	0.6	16	13	2.4	13	0
COLORADO	30	34,413	0.5	24	8	1.5	7	1
NEBRASKA	31	32,399	0.5	38	3	0.6	3	0
TENNESSEE	32	31,044	0.4	24	8	1.5	8	0
FLORIDA	33	23,709	0.3	12	15	2.8	15	0
NORTH CAROLINA	34	18,626	0.3	10	16	3.0	14	2
VIRGINIA	35	17,954	0.2	21	9	1.7	7	2
WEST VIRGINIA	36	13,474	0.2	27	7	1.3	6	1
RHODE ISLAND	37	6,445	0.1	32	6	1.1	2	4
GEORGIA	38	5,693	0.1	18	10	1.9	10	0
NEW MEXICO	39	4,771	0.1	32	6	1.1	6	0
PUERTO RICO	40	2,715	0.0	38	3	0.6	3	0
MAINE	41	567	0.0	38	3	0.6	3	0
IOWA	42	432	0.0	38	3	0.6	3	0
VERMONT	43	335	0.0	27	7	1.3	4	3
NORTH DAKOTA	44	305	0.0	38	3	0.6	3	0
HAWAII	45	228	0.0	46	1	0.2	1	0
SOUTH DAKOTA	46	112	0.0	46	1	0.2	1	0
DELAWARE	47	100	0.0	46	1	0.2	1	0
GUAM	48	59	0.0	46	1	0.2	1	0
ALASKA	49	10	0.0	36	4	0.7	2	2
DISTRICT OF COLUMBIA	50	0	0.0	50	0	0.0	0	0
MONTANA	50	0	0.0	50	0	0.0	0	0
NAVAJO NATION	50	0	0.0	50	0	0.0	0	0
NEW HAMPSHIRE	50	0	0.0	50	0	0.0	0	0
TRUST TERRITORIES	50	0	0.0	50	0	0.0	0	0
VIRGIN ISLANDS	50	0	0.0	50	0	0.0	0	0
WYOMING	50	0	0.0	50	0	0.0	0	0
Total		7,199,231	100.0		540	100.0	442	98

Note: Columns may not sum due to rounding.

National Biennial RCRA Hazardous Waste Report: Based on 2007 Data

Exhibit 3.7 Rank Ordering of States Based on Number of Receiving Facilities and Quantity of RCRA Hazardous Waste Received, 2007

State	Number of Receivers			Hazardous Waste Quantity			Reported Status	
	Rank	Number	Percentage	Rank	Tons Received	Percentage	TSDF	Non-TSDF
CALIFORNIA	1	62	11.5	4	490,961	6.8	40	22
TEXAS	2	54	10.0	3	493,871	6.9	54	0
PENNSYLVANIA	3	24	4.4	5	460,906	6.4	22	2
OHIO	4	22	4.1	1	803,988	11.2	22	0
NEW YORK	5	20	3.7	14	201,030	2.8	15	5
ILLINOIS	6	18	3.3	8	420,410	5.8	16	2
MICHIGAN	7	17	3.1	7	430,333	6.0	16	1
MISSOURI	7	17	3.1	16	175,651	2.4	9	8
WISCONSIN	7	17	3.1	25	55,379	0.8	14	3
LOUISIANA	10	16	3.0	10	352,288	4.9	11	5
NORTH CAROLINA	10	16	3.0	34	18,626	0.3	14	2
FLORIDA	12	15	2.8	33	23,709	0.3	15	0
INDIANA	12	15	2.8	2	509,987	7.1	14	1
MINNESOTA	12	15	2.8	11	249,679	3.5	10	5
NEW JERSEY	15	14	2.6	13	220,797	3.1	9	5
WASHINGTON	16	13	2.4	29	40,840	0.6	13	0
MASSACHUSETTS	17	12	2.2	20	94,305	1.3	9	3
ALABAMA	18	10	1.9	17	136,860	1.9	8	2
GEORGIA	18	10	1.9	38	5,693	0.1	10	0
KENTUCKY	18	10	1.9	21	75,083	1.0	9	1
ARIZONA	21	9	1.7	26	46,476	0.6	4	5
OKLAHOMA	21	9	1.7	22	69,232	1.0	2	7
VIRGINIA	21	9	1.7	35	17,954	0.2	7	2
COLORADO	24	8	1.5	30	34,413	0.5	7	1
TENNESSEE	24	8	1.5	32	31,044	0.4	8	0
UTAH	24	8	1.5	18	134,772	1.9	8	0
KANSAS	27	7	1.3	12	221,157	3.1	7	0
NEVADA	27	7	1.3	19	112,700	1.6	5	2
SOUTH CAROLINA	27	7	1.3	15	187,769	2.6	7	0
VERMONT	27	7	1.3	43	335	0.0	4	3
WEST VIRGINIA	27	7	1.3	36	13,474	0.2	6	1
NEW MEXICO	32	6	1.1	39	4,771	0.1	6	0
RHODE ISLAND	32	6	1.1	37	6,445	0.1	2	4
ARKANSAS	34	5	0.9	9	358,498	5.0	4	1
CONNECTICUT	34	5	0.9	28	42,227	0.6	4	1
ALASKA	36	4	0.7	49	10	0.0	2	2
MARYLAND	36	4	0.7	27	43,171	0.6	2	2
IDAHO	38	3	0.6	6	456,618	6.3	3	0
IOWA	38	3	0.6	42	432	0.0	3	0
MAINE	38	3	0.6	41	567	0.0	3	0
NEBRASKA	38	3	0.6	31	32,399	0.5	3	0
NORTH DAKOTA	38	3	0.6	44	305	0.0	3	0
OREGON	38	3	0.6	23	65,107	0.9	3	0
PUERTO RICO	38	3	0.6	40	2,715	0.0	3	0
MISSISSIPPI	45	2	0.4	24	55,744	0.8	2	0
DELAWARE	46	1	0.2	47	100	0.0	1	0
GUAM	46	1	0.2	48	59	0.0	1	0
HAWAII	46	1	0.2	45	228	0.0	1	0
SOUTH DAKOTA	46	1	0.2	46	112	0.0	1	0
DISTRICT OF COLUMBIA	50	0	0.0	50	0	0.0	0	0
MONTANA	50	0	0.0	50	0	0.0	0	0
NAVAJO NATION	50	0	0.0	50	0	0.0	0	0
NEW HAMPSHIRE	50	0	0.0	50	0	0.0	0	0
TRUST TERRITORIES	50	0	0.0	50	0	0.0	0	0
VIRGIN ISLANDS	50	0	0.0	50	0	0.0	0	0
WYOMING	50	0	0.0	50	0	0.0	0	0
Total		540	100.0		7,199,231	100.0	442	98

Note: Columns may not sum due to rounding.

National Biennial RCRA Hazardous Waste Report: Based on 2007 Data

Exhibit 3.8 Fifty Largest RCRA Hazardous Waste Receivers in the U.S., 2007

Rank	EPA ID	Name	City	Tons Received
1	IDD073114654	US ECOLOGY IDAHO INC SITE B	GRAND VIEW, ID	456,443
2	MID000724831	EQ - THE ENVIRONMENTAL QUALITY COMPANY	BELLEVILLE, MI	232,595
3	MND006148092	GOPHER RESOURCE CORPORATION	EAGAN, MN	216,724
4	OHD045243706	ENVIROSAFE SERVICES OF OHIO INC	OREGON, OH	202,159
5	CAD066233966	QUEMETCO, INC.	CITY OF INDUSTRY, CA	190,616
6	PAD002395887	HORSEHEAD CORP	PALMERTON, PA	176,561
7	ILD040891368	HORSEHEAD CORP	CHICAGO, IL	163,315
8	LAD008175390	CYTEC INDUSTRIES INC.	WAGGAMAN, LA	143,617
9	IND093219012	HERITAGE ENVIRONMENTAL SERVICES LLC	INDIANAPOLIS, IN	134,609
10	IND980503890	HERITAGE ENVIRONMENTAL SERVICES LLC	ROACHDALE, IN	125,070
11	OHD020273819	VICKERY ENVIRONMENTAL INC	VICKERY, OH	120,560
12	IND006419212	LONE STAR GREENCASTLE WDF	GREENCASTLE, IN	112,258
13	NYD030485288	REVERE SMELTING AND REFINING CORP.	MIDDLETOWN, NY	109,667
14	TXD055141378	CLEAN HARBORS DEER PARK LP	LA PORTE, TX	106,197
15	ARD981057870	RINECO CHEMICAL INDUSTRIES, INC	BENTON, AR	100,252
16	ARD069748192	CLEAN HARBORS EL DORADO, LLC	EL DORADO, AR	99,857
17	ARD981512270	ASH GROVE CEMENT COMPANY	FOREMAN, AR	99,032
18	NVT330010000	US ECOLOGY NEVADA	BEATTY, NV	97,582
19	ILD000805812	PEORIA DISPOSAL CO INC	PEORIA, IL	96,610
20	MID980991566	EQ DETROIT INC	DETROIT, MI	92,520
21	KSD007148034	LAFARGE MIDWEST INC	FREDONIA, KS	91,080
22	LAD000777201	CHEMICAL WASTE MANAGEMENT	SULPHUR, LA	90,511
23	NJD991291105	CLEAN EARTH OF NORTH JERSEY INC	SOUTH KEARNY, NJ	87,711
24	ALD000622464	CHEMICAL WASTE MANAGEMENT	EMELLE, AL	83,696
25	KSD980633259	SYSTECH ENVIRONMENTAL CORP	FREDONIA, KS	80,751
26	LAR000042226	SHELL NORCO CHEMICAL PLANT - WEST SITE	NORCO, LA	79,370
27	SCD003351699	GIANT CEMENT COMPANY	HARLEYVILLE, SC	78,511
28	TXD000719518	TM DEER PARK SERVICES LIMITED PARTNERSHIP	DEER PARK, TX	75,764
29	MAR000008375	ECOLOGY RECOVERY SYSTEMS, INC.	WORCESTER, MA	74,454
30	CAT000646117	CHEMICAL WASTE MANAGEMENT, INC.	KETTLEMAN CITY, CA	73,074
31	OHD005048947	SYSTECH ENVIRONMENTAL CORPORATION	PAULDING, OH	71,154
32	MOD981127319	LONE STAR INDUSTRIES INC	CAPE GIRARDEAU, MO	70,509
33	OHD987048733	LAFARGE NORTH AMERICA	PAULDING, OH	69,437
34	UTD991301748	CLEAN HARBORS GRASSY MOUNTAIN, LLC.	ARAGONITE, UT	66,676
35	OKD065438376	CLEAN HARBORS LONE MOUNTAIN, LLC	WAYNOKA, OK	65,244
36	MOD054018288	GREEN AMERICA RECYCLING LLC	HANNIBAL, MO	63,070
37	IND005081542	ESSROC CEMENT CORP	LOGANSPOUT, IN	63,044
38	OHD048415665	ROSS INCINERATION SERVICES INC	GRAFTON, OH	62,191
39	OHD980568992	ENVIRITE OF OHIO INC	CANTON, OH	61,948
40	ORD089452353	CHEMICAL WASTE MANAGEMENT OF THE NW	ARLINGTON, OR	61,418
41	PAD002389559	KEYSTONE CEMENT CO	BATH, PA	59,802
42	UTD981552177	CLEAN HARBORS ARAGONITE, LLC.	ARAGONITE, UT	59,548
43	ARD006354161	REYNOLDS METALS COMPANY	ARKADELPHIA, AR	59,305
44	NYD049836679	CWM CHEMICAL SERVICES, LLC	MODEL CITY, NY	56,577
45	MSD077655876	HOLCIM (US) INC	ARTESIA, MS	55,646
46	SCD003368891	HOLCIM US INC GEOCYCLE LLC	HOLLY HILL, SC	52,278
47	ILD000666206	ENVIRITE OF ILLINOIS INC	HARVEY, IL	51,310
48	NJD002454544	MARISOL INCORPORATED	MIDDLESEX, NJ	49,821
49	PAD004835146	MAX ENVIRONMENTAL	YUKON, PA	49,227
50	KSD031203318	ASH GROVE CEMENT CO	CHANUTE, KS	48,497
Total				5,087,866

Note: Column may not sum due to rounding.

National Biennial RCRA Hazardous Waste Report: Based on 2007 Data

Exhibit 3.9 Quantity of RCRA Hazardous Waste Managed, by Management Method, Limited to Waste Received from Off-Site, 2007

Management Method	Tons Managed	Percentage of Quantity	Number of Facilities ¹	Percentage of Facilities ¹
AQUEOUS INORGANIC TREATMENT	264,670	3.7	42	7.8
AQUEOUS ORGANIC TREATMENT	26,586	0.4	26	4.8
DEEPWELL OR UNDERGROUND INJECTION	346,669	4.8	8	1.5
ENERGY RECOVERY	1,049,793	14.6	48	8.9
FUEL BLENDING	653,586	9.1	99	18.3
INCINERATION	583,323	8.1	82	15.2
LAND TREATMENT/APPLICATION/FARMING	38	0.0	9	1.7
LANDFILL/SURFACE IMPOUNDMENT	1,575,558	21.9	40	7.4
METALS RECOVERY	1,064,888	14.8	104	19.3
OTHER DISPOSAL	38,732	0.5	18	3.3
OTHER RECOVERY	184,309	2.6	32	5.9
OTHER TREATMENT	198,143	2.8	88	16.3
SLUDGE TREATMENT	880	0.0	11	2.0
SOLVENTS RECOVERY	222,784	3.1	76	14.1
STABILIZATION	580,386	8.1	48	8.9
STORAGE AND/OR TRANSFER	408,884	5.7	350	64.8
Total	7,199,231	100.0	540	

Exhibit 3.10 Management Method, by Quantity of RCRA Hazardous Waste Managed, Limited to Waste Received from Off-Site, 2007

Management Method	Tons Managed	Percentage of Quantity	Number of Facilities ¹	Percentage of Facilities ¹
LANDFILL/SURFACE IMPOUNDMENT	1,575,558	21.9	40	7.4
METALS RECOVERY	1,064,888	14.8	104	19.3
ENERGY RECOVERY	1,049,793	14.6	48	8.9
FUEL BLENDING	653,586	9.1	99	18.3
INCINERATION	583,323	8.1	82	15.2
STABILIZATION	580,386	8.1	48	8.9
STORAGE AND/OR TRANSFER	408,884	5.7	350	64.8
DEEPWELL OR UNDERGROUND INJECTION	346,669	4.8	8	1.5
AQUEOUS INORGANIC TREATMENT	264,670	3.7	42	7.8
SOLVENTS RECOVERY	222,784	3.1	76	14.1
OTHER TREATMENT	198,143	2.8	88	16.3
OTHER RECOVERY	184,309	2.6	32	5.9
OTHER DISPOSAL	38,732	0.5	18	3.3
AQUEOUS ORGANIC TREATMENT	26,586	0.4	26	4.8
SLUDGE TREATMENT	880	0.0	11	2.0
LAND TREATMENT/APPLICATION/FARMING	38	0.0	9	1.7
Total	7,199,231	100.0	540	

Exhibit 3.11 Management Method and Quantity of RCRA Hazardous Waste Managed, by Number of Facilities, Limited to Waste Received from Off-Site, 2007

Management Method	Tons Managed	Percentage of Quantity	Number of Facilities ¹	Percentage of Facilities ¹
STORAGE AND/OR TRANSFER	408,884	5.7	350	64.8
METALS RECOVERY	1,064,888	14.8	104	19.3
FUEL BLENDING	653,586	9.1	99	18.3
OTHER TREATMENT	198,143	2.8	88	16.3
INCINERATION	583,323	8.1	82	15.2
SOLVENTS RECOVERY	222,784	3.1	76	14.1
ENERGY RECOVERY	1,049,793	14.6	48	8.9
STABILIZATION	580,386	8.1	48	8.9
AQUEOUS INORGANIC TREATMENT	264,670	3.7	42	7.8
LANDFILL/SURFACE IMPOUNDMENT	1,575,558	21.9	40	7.4
OTHER RECOVERY	184,309	2.6	32	5.9
AQUEOUS ORGANIC TREATMENT	26,586	0.4	26	4.8
OTHER DISPOSAL	38,732	0.5	18	3.3
SLUDGE TREATMENT	880	0.0	11	2.0
LAND TREATMENT/APPLICATION/FARMING	38	0.0	9	1.7
DEEPWELL OR UNDERGROUND INJECTION	346,669	4.8	8	1.5
Total	7,199,231	100.0	540	

¹ Column may not sum because facilities may have multiple handling methods.

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

National Biennial RCRA Hazardous Waste Report: Based on 2007 Data

Exhibit 4.1 RCRA Hazardous Waste Interstate Shipments and Receipts, by State, 2007

STATE	Interstate Shipments (Tons)	Interstate Receipts (Tons)
ALABAMA	145,302	75,733
ALASKA	2,109	0
ARIZONA	46,983	19,980
ARKANSAS	250,002	275,984
CALIFORNIA	290,141	25,526
COLORADO	28,817	19,868
CONNECTICUT	37,112	8,328
DELAWARE	19,312	30
DISTRICT OF COLUMBIA	765	0
FLORIDA	36,310	2,719
GEORGIA	52,315	3,462
GUAM	74	0
HAWAII	1,165	0
IDAHO	6,295	454,367
ILLINOIS	119,875	307,688
INDIANA	188,090	290,257
IOWA	48,678	111
KANSAS	22,084	119,761
KENTUCKY	163,658	61,764
LOUISIANA	194,179	76,522
MAINE	5,061	96
MARYLAND	44,755	40,452
MASSACHUSETTS	47,840	36,034
MICHIGAN	182,102	338,561
MINNESOTA	47,731	223,983
MISSISSIPPI	20,788	55,019
MISSOURI	50,287	155,975
MONTANA	9,377	0
NAVAJO NATION	35	0
NEBRASKA	39,718	31,951
NEVADA	4,739	103,099
NEW HAMPSHIRE	5,437	0
NEW JERSEY	508,355	114,376
NEW MEXICO	5,668	3,810
NEW YORK	156,438	34,674
NORTH CAROLINA	96,284	13,218
NORTH DAKOTA	1,216	112
OHIO	325,261	485,508
OKLAHOMA	29,756	59,492
OREGON	30,416	18,731
PENNSYLVANIA	181,514	327,895
PUERTO RICO	40,797	0
RHODE ISLAND	8,685	3,645
SOUTH CAROLINA	119,663	128,111
SOUTH DAKOTA	853	39
TENNESSEE	48,739	26,629
TEXAS	196,224	153,331
TRUST TERRITORIES	1	0
UTAH	24,088	64,508
VERMONT	2,460	214
VIRGIN ISLANDS	3,086	0
VIRGINIA	75,466	8,745
WASHINGTON	44,026	13,583
WEST VIRGINIA	49,325	13,200
WISCONSIN	80,101	30,404
WYOMING	3,954	0
TOTAL	4,143,513	4,227,493

Note: Columns may not sum due to rounding.

APPENDIX A

EPA REGION - STATE MAPPING

This page intentionally left blank.

EPA REGION - STATE 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

This page intentionally left blank.

APPENDIX B

2007 MANAGEMENT METHOD CODES

This page intentionally left blank.

2007 MANAGEMENT METHOD CODES

Code	Management Method Code Group	Code	Management Method Code Group
<u>RECLAMATION AND RECOVERY</u>			
H010	Metals recovery including retorting, smelting, chemical, etc.	H082	Adsorption (as the major component of treatment)
H020	Solvents recovery (distillation, extraction, etc.)	H083	Air or steam stripping (as the major component of treatment)
H039	Other recovery or reclamation for reuse including acid regeneration, organics recovery, etc. (specify in comments)	H101	Sludge treatment and/or dewatering (as the major component of treatment; not H071-H075, H077, or H082)
H050	Energy recovery at this site - used as fuel (includes on-site fuel blending before energy recovery)	H103	Absorption (as the major component of treatment)
H061	Fuel blending prior to energy recovery at another site (waste generated either onsite or received from offsite)	H111	Stabilization or chemical fixation prior to disposal at another site (as the major component of treatment; not H071-H075, H077, or H082)
<u>DESTRUCTION OR TREATMENT PRIOR TO DISPOSAL AT ANOTHER SITE</u>			
H040	Incineration - thermal destruction other than use as a fuel (includes any preparation prior to burning)	H112	Macro-encapsulation prior to disposal at another site (as the major component of treatment; not H071-H075, H077, or H082)
H071	Chemical reduction with or without precipitation (includes any preparation or final processes for consolidation of residuals)	H121	Neutralization only (no other treatment)
H073	Cyanide destruction with or without precipitation (includes any preparation or final processes for consolidation of residuals)	H122	Evaporation (as the major component of treatment; not reportable as H071-H083)
H075	Chemical oxidation (includes any preparation or final processes for consolidation of residuals)	H123	Settling or clarification (as the major component of treatment; not reportable as H071-H083)
H076	Wet air oxidation (includes any preparation or final processes for consolidation of residuals)	H124	Phase separation (as the major component of treatment; not reportable as H071-H083)
H077	Other chemical precipitation with or without pre-treatment (includes processes for consolidation of residuals)	H129	Other treatment (specify in comments; not reportable as H071-H124)
H081	Biological treatment with or without precipitation (includes any preparation or final processes for consolidation of residuals)	<u>DISPOSAL</u>	
		H131	Land treatment or application (to include any prior treatment and/or stabilization)
		H132	Landfill or surface impoundment that will be closed as landfill (to include prior treatment and/or stabilization)
		H134	Deepwell or underground injection (with or without treatment)

2007 MANAGEMENT METHOD CODES

Code	Management Method Code Group
------	------------------------------

H135 Discharge to sewer/POTW or NPDES
(with prior storage - with or without
treatment)

TRANSFER OFFSITE

H141 The site receiving this waste
stored/bulked and transported the
waste with no treatment or recovery
(H010-H129), fuel blending (H061), or
disposal (H131-H135) at that receiving
site.

APPENDIX C
2007 FORM CODES

This page intentionally left blank.

2007 FORM CODES

Code	Form Code Group	Code	Form Code Group
<u>MIXED MEDIA/DEBRIS/DEVICES</u>			
<i>Waste that is a mixture of organic and inorganic wastes, liquid and solid wastes, or devices that are not easily categorized</i>			
W001	Lab packs from any source not containing acute hazardous waste	W107	Aqueous waste containing cyanides (generally caustic)
W002	Contaminated debris: for example, certain paper, clothing, rags, wood, empty fiber or plastic containers, glass, piping, or other solids	W110	Caustic aqueous waste without cyanides (pH > 12.5)
W004	Lab packs from any source containing acute hazardous waste	W113	Other aqueous waste or wastewaters (fluid but not sludge)
W301	Contaminated soil (usually from spill clean up, demolition, or remediation); see also W512	W117	Waste liquid mercury (metallic)
W309	Batteries, battery parts, cores, casings (Lead-acid or other types)	W119	Other inorganic liquid (specify in comments)
W310	Filters, solid adsorbents, ion exchange resins and spent carbon (usually from production, intermittent processes, or remediation)	<u>ORGANIC LIQUIDS</u>	
W320	Electrical devices (lamps, fluorescent lamps, or thermostats usually containing mercury; CRTs containing lead; etc.)	<i>Waste that is primarily organic and is highly fluid, with low inorganic solids content and low-to-moderate water content</i>	
W512	Sediment or lagoon dragout, drilling or other muds (wet or muddy soils); see also W301	W200	Still bottoms in liquid form (fluid but not sludge)
W801	Compressed gases of any type	W202	Concentrated halogenated (e.g., chlorinated) solvent
<u>INORGANIC LIQUIDS</u>		W203	Concentrated non-halogenated (e.g., non-chlorinated) solvent
<i>Waste that is primarily inorganic and highly fluid (e.g., aqueous), with low suspended inorganic solids and low organic content</i>		W204	Concentrated halogenated/ non-halogenated solvent mixture
W101	Very dilute aqueous waste containing more than 99% water (land disposal restriction defined wastewater that is not exempt under NPDES or POTW discharge)	W205	Oil-water emulsion or mixture (fluid but not sludge)
W103	Spent concentrated acid (5% or more)	W206	Waste oil
W105	Acidic aqueous wastes less than 5% acid (diluted but pH < 2)	W209	Paint, ink, lacquer, or varnish (fluid - not dried out or sludge)
		W210	Reactive or polymerizable organic liquids and adhesives (fluid but not sludge)
		W211	Paint thinner or petroleum distillates
		W219	Other organic liquid (specify in comments)

2007 FORM CODES

Code	Form Code Group	Code	Form Code Group
<u>INORGANIC SOLIDS</u>		<u>INORGANIC SLUDGES</u>	
<i>Waste that is primarily inorganic and solid, with low organic content and low-to-moderate water content; not pumpable</i>		<i>Waste that is primarily inorganic, with moderate-to-high water content and low organic content; mostly pumpable</i>	
W303	Ash (from any type of burning of hazardous waste)	W501	Lime and/or metal hydroxide sludges and solids with no cyanides (not contaminated muds - W512)
W304	Slags, drosses, and other solid thermal residues	W503	Gypsum sludges from wastewater treatment or air pollution control
W307	Metal scale, filings and scrap (including metal drums)	W504	Other sludges from wastewater treatment or air pollution control
W312	Cyanide or metal cyanide bearing solids, salts or chemicals	W505	Metal bearing sludges (including plating sludge) not containing cyanides
W316	Metal salts or chemicals not containing cyanides	W506	Cyanide-bearing sludges (not contaminated soils - W512)
W319	Other inorganic solids (specify in comments)	W519	Other inorganic sludges (not contaminated muds - W512; specify in comments)
<u>ORGANIC SOLIDS</u>		<u>ORGANIC SLUDGES</u>	
<i>Waste that is primarily organic and solid, with low-to-moderate inorganic content and water content; not pumpable</i>		<i>Waste that is primarily organic with low-to-moderate inorganic solids content and water content; pumpable</i>	
W401	Pesticide solids (used or discarded - not contaminated soils - W301)	W603	Oily sludge (not contaminated muds - W512)
W403	Solid resins, plastics or polymerized organics	W604	Paint or ink sludges, still bottoms in sludge form (not contaminated muds - W512)
W405	Explosives or reactive organic solids	W606	Resins, tars, polymer or tarry sludge (not contaminated muds - W512)
W409	Other organic solids (specify in comments)	W609	Other organic sludge (specify in comments)

APPENDIX D

2007 WASTE CODES

This page intentionally left blank.

2007 WASTE CODES

Code	Waste description	Code	Waste description
CHARACTERISTICS OF HAZARDOUS WASTE (SEE 40 CFR 261.24)		D026	Cresol
D001	Ignitable waste	D027	1,4-Dichlorobenzene
D002	Corrosive waste	D028	1,2-Dichloroethane
D003	Reactive waste	D029	1,1-Dichloroethylene
D004	Arsenic	D030	2,4-Dinitrotoluene
D005	Barium	D031	Heptachlor (and its epoxide)
D006	Cadmium	D032	Hexachlorobenzene
D007	Chromium	D033	Hexachlorobutadiene
D008	Lead	D034	Hexachloroethane
D009	Mercury	D035	Methyl ethyl ketone
D010	Selenium	D036	Nitrobenzene
D011	Silver	D037	Pentachlorophenol
D012	Endrin	D038	Pyridine
D013	Lindane	D039	Tetrachloroethylene
D014	Methoxychlor	D040	Trichlorethylene
D015	Toxaphene	D041	2,4,5-Trichlorophenol
D016	2,4-D	D042	2,4,6-Trichlorophenol
D017	2,4,5-TP Silvex	D043	Vinyl chloride
D018	Benzene		
D019	Carbon tetrachloride		
D020	Chlordane		
D021	Chlorobenzene		
D022	Chloroform		
D023	o-Cresol		
D024	m-Cresol		
D025	p-Cresol		

2007 WASTE CODES

Code	Waste description	Code	Waste description
HAZARDOUS WASTE FROM NONSPECIFIC SOURCES (SEE 40 CFR 261.31)			
F001	The following spent halogenated solvents used in degreasing: tetrachloroethylene, trichloroethylene, 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.		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.
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.	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.
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.	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.
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	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.
		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.

2007 WASTE CODES

Code	Waste description	Code	Waste description
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.		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.)
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.)	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.
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.	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.
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.	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.)
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.)	F028	Residues resulting from the incineration or thermal treatment of soil contaminated with EPA hazardous waste nos. F020, F021, F022, F023, F026, and F027.
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	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.)

2007 WASTE CODES

Code	Waste description	Code	Waste description
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.		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.
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.	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.)
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 stormwater units receiving dry weather flow, sludge generated in stormwater units that do not receive dry weather flow, sludges generated from non-contact once-through cooling waters segregated for treatment from other process or oily cooling waters, sludges generated in aggressive biological treatment units as defined in §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 not included in this listing. This listing does include residuals generated from processing or recycling oil-bearing hazardous secondary materials excluded under §261.4(a)(12)(i), if those residuals are to be disposed of.		
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		
			HAZARDOUS WASTE FROM SPECIFIC SOURCES (SEE 40 CFR 261.32)
		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).

2007 WASTE CODES

Code	Waste description	Code	Waste description
K007	Wastewater treatment sludge from the production of iron blue pigments.	K025	Distillation bottoms from the production of nitrobenzene by the nitration of benzene.
K008	Oven residue from the production of chrome oxide green pigments.	K026	Stripping still tails from the production of methyl ethyl pyridines.
K009	Distillation bottoms from the production of acetaldehyde from ethylene.	K027	Centrifuge and distillation residues from toluene diisocyanate production.
K010	Distillation side cuts from the production of acetaldehyde from ethylene.	K028	Spent catalyst from the hydrochlorinator reactor in the production of 1,1,1-trichloroethane.
K011	Bottom stream from the wastewater stripper in the production of acrylonitrile.	K029	Waste from the product steam stripper in the production of 1,1,1-trichloroethane.
K013	Bottom stream from the acetonitrile column in the production of acrylonitrile.	K030	Column bottoms or heavy ends from the combined production of trichloroethylene and perchloroethylene.
K014	Bottoms from the acetonitrile purification column in the production of acrylonitrile.	K031	By-product salts generated in the production of MSMA and cacodylic acid.
K015	Still bottoms from the distillation of benzyl chloride.	K032	Wastewater treatment sludge from the production of chlordane.
K016	Heavy ends or distillation residues from the production of carbon tetrachloride.	K033	Wastewater and scrub water from the chlorination of cyclopentadiene in the production of chlordane.
K017	Heavy ends (still bottoms) from the purification column in the production of epichlorohydrin.	K034	Filter solids from the filtration of hexachlorocyclopentadiene in the production of chlordane.
K018	Heavy ends from the fractionation column in ethyl chloride production.	K035	Wastewater treatment sludges generated in the production of creosote.
K019	Heavy ends from the distillation of ethylene dichloride in ethylene dichloride production.	K036	Still bottoms from toluene reclamation distillation in the production of disulfoton.
K020	Heavy ends from the distillation of vinyl chloride in vinyl chloride monomer production.	K037	Wastewater treatment sludges from the production of disulfoton.
K021	Aqueous spent antimony catalyst waste from fluoromethane production.	K038	Wastewater from the washing and stripping of phorate production.
K022	Distillation bottom tars from the production of phenol/acetone from cumene.	K039	Filter cake from the filtration of diethylphosphorodithioic acid in the production of phorate.
K023	Distillation light ends from the production of phthalic anhydride from naphthalene.	K040	Wastewater treatment sludge from the production of phorate.
K024	Distillation bottoms from the production of phthalic anhydride from naphthalene.		

2007 WASTE CODES

Code	Waste description	Code	Waste description
K041	Wastewater treatment sludge from the production of toxaphene.	K073	Chlorinated hydrocarbon waste from the purification step of the diaphragm cell process using graphite anodes in chlorine production.
K042	Heavy ends or distillation residues from the distillation of tetrachlorobenzene in the production of 2,4,5-T.	K083	Distillation bottoms from aniline production.
K043	2,6-dichlorophenol waste from the production of 2,4-D.	K084	Wastewater treatment sludges generated during the production of veterinary pharmaceuticals from arsenic or organo-arsenic compounds.
K044	Wastewater treatment sludges from the manufacturing and processing of explosives.	K085	Distillation or fractionation column bottoms from the production of chlorobenzenes.
K045	Spent carbon from the treatment of wastewater containing explosives.	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.
K046	Wastewater treatment sludges from the manufacturing, formulation, and loading of lead-based initiating compounds.	K087	Decanter tank tar sludge from coking operations.
K047	Pink/red water from TNT operations.	K088	Spent potliners from primary aluminum reduction.
K048	Dissolved air flotation (DAF) float from the petroleum refining industry.	K093	Distillation light ends from the production of phthalic anhydride from ortho-xylene.
K049	Slop oil emulsion solids from the petroleum refining industry.	K094	Distillation bottoms from the production of phthalic anhydride from ortho-xylene.
K050	Heat exchanger bundle cleaning sludge from the petroleum refining industry.	K095	Distillation bottoms from the production of 1,1,1-trichloroethane.
K051	API separator sludge from the petroleum refining industry.	K096	Heavy ends from the heavy ends column from the production of 1,1,1-trichloroethane.
K052	Tank bottoms (leaded) from the petroleum refining industry.	K097	Vacuum stripper discharge from the chlordane chlorinator in the production of chlordane.
K060	Ammonia still lime sludge from coking operations.	K098	Untreated process wastewater from the production of toxaphene.
K061	Emission control dust/sludge from the primary production of steel in electric furnaces.	K099	Untreated wastewater from the production of 2,4-D.
K062	Spent pickle liquor from steel finishing operations of plants that produce iron or steel.	K100	Waste leaching solution from acid leaching of emission control dust/sludge from secondary lead smelting.
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.		

2007 WASTE CODES

Code	Waste description	Code	Waste description
K101	Distillation tar residues from the distillation of aniline-based compounds in the production of veterinary pharmaceuticals from arsenic or organo-arsenic compounds.	K114	Vicinals from the purification of toluenediamine in production of toluenediamine via hydrogenation of dinitrotoluene.
K102	Residue from the use of activated carbon for decolorization in the production of veterinary pharmaceuticals from arsenic or organo-arsenic compounds.	K115	Heavy ends from purification of toluenediamine in the production of toluenediamine via hydrogenation of dinitrotoluene.
K103	Process residues from aniline extraction from the production of aniline.	K116	Organic condensate from the solvent recovery column in the production of toluene diisocyanate via phosgenation of toluenediamine.
K104	Combined wastewaters generated from nitrobenzene/aniline production.	K117	Wastewater from the reactor vent gas scrubber in the production of ethylene dibromide via bromination of ethene.
K105	Separated aqueous stream from the reactor product washing step in the production of chlorobenzenes.	K118	Spent adsorbent solids from purification of ethylene dibromide in the production of ethylene dibromide via bromination of ethene.
K106	Wastewater treatment sludge from the mercury cell process in chlorine production.	K123	Process wastewater (including supernates, filtrates, and washwaters) from the production of ethylenebisdithiocarbamic acid and its salts.
K107	Column bottoms from product separation from the production of 1,1-dimethylhydrazine (UDMH) from carboxylic acid hydrazides.	K124	Reactor vent scrubber water from the production of ethylenebisdithiocarbamic acid and its salts.
K108	Condensed column overheads from product separation and condensed reactor vent gases from the production of 1,1-dimethylhydrazine from carboxylic acid hydrazides.	K125	Filtration, evaporation, and centrifugation solids from the production of ethylenebisdithiocarbamic acid and its salts.
K109	Spent filter cartridges from product purification from the product of 1,1-dimethylhydrazine from carboxylic acid hydrazides.	K126	Baghouse dust and floor sweepings in milling and packaging operations from production or formulation of ethylenebisdithiocarbamic acid and its salts.
K110	Condensed column overheads from intermediate separation from the production of 1,1-dimethylhydrazine from carboxylic acid hydrazides.	K131	Wastewater from the reactor and spent sulfuric acid from the acid dryer from the production of methyl bromide.
K111	Product washwaters from the production of dinitrotoluene via nitration of toluene.	K132	Spent absorbent and wastewater separator solids from the production of methyl bromide.
K112	Reaction by-product water from the drying column in the production of toluenediamine via hydrogenation of dinitrotoluene.	K136	Still bottoms from the purification of ethylene dibromide in the production of ethylene dibromide via bromination of ethene.
K113	Condensed liquid light ends from purification of toluenediamine in production of toluenediamine via hydrogenation of dinitrotoluene.	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).

2007 WASTE CODES

Code	Waste description	Code	Waste description
K142	Tank storage residues from the production of coke from coal or from the recovery of coke by-products from coal.		carbamates and carbamoyl oximes. (This listing does not apply to wastes generated from the manufacture of 3-iodo-2propynl n-butylcarbamate.).
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.	K157	Wastewaters (including scrubber waters, condenser waters, washwaters, and separation waters) from the production of carbamates and carbamoyl oximes. (This listing does not apply to wastes generated from the manufacture of 3-iodo-2propynl n-butylcarbamate.).
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.	K158	Bag house and filter/separation solids from the production of carbamates and carbamoyl oximes. (This listing does not apply to wastes generated from the manufacture of 3-iodo-2propynl n-butylcarbamate.).
K145	Residues from naphthalene collection and recovery operations from the recovery of coke by-products produced from coal.	K159	Organics from the treatment of thiocarbamate wastes.
K147	Tar storage residues from coal tar refining.	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).
K148	Residues from coal tar distillation, including, but not limited to, still bottoms.	K169	Crude oil tank sediment from petroleum refining operations.
K149	Distillation bottoms from the production of alpha (or methyl-) chlorinated toluenes, ring-chlorinated toluenes, benzoyl chlorides, and compounds with mixtures of these functional groups. [This waste does not include still bottoms from the distillation of benzoyl chloride]	K170	Clarified slurry oil tank sediment and/or in-line filter/separation solids from petroleum refining operations.
K150	Organic residuals excluding spent carbon adsorbent, from the spent chlorine gas and hydrochloric acid recovery processes associated with the production of alpha (or methyl-) chlorinated toluenes, benzoyl chlorides, and compounds with mixtures of these functional groups.	K171	Spent hydrotreating catalyst from petroleum refining operations, including guard beds used to desulfurize feeds to other catalytic reactors (This listing does not include inert support media).
K151	Wastewater treatment sludges, excluding neutralization and biological sludges, generated during the treatment of wastewaters from the production of alpha (or methyl-) chlorinated toluenes, benzoyl chlorides, and compounds with mixtures of these functional groups.	K172	Spent hydrorefining catalyst from petroleum refining operations, including guard beds used to desulfurize feeds to other catalytic reactors (This listing does not include inert support media).
K156	Organic waste (including heavy ends, still bottoms, light ends, spent solvents, filtrates, and decantates) from the production of		

2007 WASTE CODES

Code	Waste description	Code	Waste description
K174	Wastewater treatment sludges from the production of ethylene dichloride or vinyl chloride monomer (including sludges that result from commingled ethylene dichloride or vinyl chloride monomer wastewater and other wastewater), unless the sludges meet the following conditions: (i) they are disposed of in a subtitle C or non-hazardous landfill licensed or permitted by the state or federal government; (ii) they are not otherwise placed on the land prior to final disposal; and (iii) the generator maintains documentation demonstrating that the waste was either disposed of in an on-site landfill or consigned to a transporter or disposal facility that provided a written commitment to dispose of the waste in an off-site landfill. Respondents in any action brought to enforce the requirements of subtitle C must, upon a showing by the government that the respondent managed wastewater treatment sludges from the production of vinyl chloride monomer or ethylene dichloride, demonstrate that they meet the terms of the exclusion set forth above. In doing so, they must provide appropriate documentation (e.g., contracts between the generator and the landfill owner/operator, invoices documenting delivery of waste to landfill, etc.) that the terms of the exclusion were met.*	K181	Nonwastewaters from the production of dyes and/or pigments (including nonwastewaters commingled at the point of generation with nonwastewaters from other processes).
K175	Wastewater treatment sludges from the production of vinyl chloride monomer using mercuric chloride catalyst in an acetylene-based process.*	DISCARDED COMMERCIAL CHEMICAL PRODUCTS, OFF-SPECIFICATION SPECIES, CONTAINER RESIDUALS, AND SPILL RESIDUES THEREOF – ACUTE HAZARDOUS WASTE (SEE 40 CFR 261.33 FOR AN ALPHABETIZED LISTING)	
K176	Baghouse filters from the production of antimony oxide, including filters from the production of intermediates (e.g., antimony metal or crude antimony oxide)	P001	2H-1-Benzopyran-2-one, 4-hydroxy-3-(3-oxo-1-phenylbutyl)-, & salts, when present at concentrations greater than 0.3%
K177	Slag from the production of antimony oxide that is speculatively accumulated or disposed, including slag from the production of intermediates (e.g., antimony metal or crude antimony oxide)	P001	Warfarin, & salts, when present at concentrations greater than 0.3%
K178	Residues from manufacturing and manufacturing-site storage of ferric chloride from acids formed during the production of titanium dioxide using the chloride-ilmenite process.	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 H3AsO4
		P011	Arsenic oxide As2O5
		P011	Arsenic pentoxide
		P012	Arsenic oxide As2O3
		P012	Arsenic trioxide
		P013	Barium cyanide
		P014	Benzenethiol
		P014	Thiophenol
		P015	Beryllium powder
		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-

2007 WASTE CODES

Code	Waste description	Code	Waste description
P021	Calcium cyanide	P045	Thiofanox
P021	Calcium cyanide Ca(CN) ₂	P046	alpha,alpha-Dimethylphenethylamine
P022	Carbon disulfide	P046	Benzeneethanamine, alpha, alpha-dimethyl-
P023	Acetaldehyde, chloro-	P047	4,6-Dinitro-o-cresol, & salts
P023	Chloroacetaldehyde	P047	Phenol, 2-methyl-4,6-dinitro-, & salts
P024	Benzenamine, 4-chloro-	P048	2,4-Dinitrophenol
P024	p-Chloraniline	P048	Phenol, 2,4-dinitro-
P026	1-(o-Chlorophenyl)thiourea	P049	Dithiobiuret
P026	Thiourea, (2-chlorophenyl)-	P049	Thioimidodicarbonic diamide [(H ₂ N)C(S)] ₂ NH
P027	3-Chloropropionitrile	P050	6,9-Methano-2,4,3-
P027	Propanenitrile, 3-chloro-		benzodioxathiepin,6,7,8,9,10,10-hexachloro-
P028	Benzene, (chloromethyl)-		1,5,5a,6,9,9a-hexahydro-,3-oxide
P028	Benzyl chloride	P050	Endosulfan
P029	Copper cyanide	P051	2,7:3,6-Dimethanonaphth[2,3-b]oxirene,
P029	Copper cyanide Cu(CN)		3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-
P030	Cyanides (soluble cyanide salts), not otherwise specified		octahydro-, (1alpha, 2beta, 2abeta, 3alpha, 6alpha, 6abeta, 7beta, 7aalpha)- & metabolites
P031	Cyanogen	P051	Endrin
P031	Ethanedinitrile	P051	Endrin, & metabolites
P033	Cyanogen chloride	P054	Aziridine
P033	Cyanogen chloride (CN)Cl	P054	Ethyleneimine
P034	2-Cyclohexyl-4,6-dinitrophenol	P056	Fluorine
P034	Phenol, 2-cyclohexyl-4,6-dinitro-	P057	Acetamide, 2-fluoro-
P036	Arsonous dichloride, phenyl-	P057	Fluoroacetamide
P036	Dichlorophenylarsine	P058	Acetic acid, fluoro-, sodium salt
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-, (1alpha, 2beta, 2aalpha, 3beta, 6beta, 6aalpha, 7beta, 7aalpha)-	P058	Fluoroacetic acid, sodium salt
P037	Dieldrin	P059	4,7-Methano-1H-indene, 1,4,5,6,7,8,8-heptachloro-3a,4,7,7a-tetrahydro-
P038	Arsine, diethyl-	P059	Heptachlor
P038	Diethylarsine	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)-
P039	Disulfoton	P060	Isodrin
P039	Phosphorodithioic acid, O,O-diethyl S-[2-(ethylthio)ethyl] ester	P062	Hexaethyl tetraphosphate
P040	O,O-Diethyl O-pyrazinyl phosphorothioate	P062	Tetraphosphoric acid, hexaethyl ester
P040	Phosphorothioic acid, O,O-diethyl O-pyrazinyl ester	P063	Hydrocyanic acid
P041	Diethyl-p-nitrophenyl phosphate	P063	Hydrogen cyanide
P041	Phosphoric acid, diethyl 4-nitrophenyl ester	P064	Methane, isocyanato-
P042	1,2-Benzenediol, 4-[1-hydroxy-2-(methylamino)ethyl]-, (R)-	P064	Methyl isocyanate
P042	Epinephrine	P065	Fulminic acid, mercury(2+) salt (R,T)
P043	Diisopropylfluorophosphate (DFP)	P065	Mercury fulminate (R,T)
P043	Phosphorofluoridic acid, bis(1-methylethyl) ester	P066	Ethanimidothioic acid, N-[[[(methylamino)carbonyl]oxy]-, methyl ester
P044	Dimethoate	P066	Methomyl
P044	Phosphorodithioic acid, O,O-dimethyl S-[2-(methylamino)-2-oxoethyl] ester	P067	1,2-Propylenimine
P045	2-Butanone, 3,3-dimethyl-1-(methylthio)-, O-[methylamino)carbonyl] oxime	P067	Aziridine, 2-methyl-
		P068	Hydrazine, methyl-
		P068	Methyl hydrazine
		P069	2-Methylactonitrile
		P069	Propanenitrile, 2-hydroxy-2-methyl-
		P070	Aldicarb

2007 WASTE CODES

Code	Waste description	Code	Waste description
P070	Propanal, 2-methyl-2-(methylthio)-, O-[(methylamino)carbonyl]oxime	P098	Potassium cyanide K(CN)
P071	Methyl parathion	P099	Argentate (1-), bis(cyano-C)-, potassium
P071	Phosphorothioic acid, O,O,-dimethyl O-(4-nitrophenyl) ester	P099	Potassium silver cyanide
P072	alpha-Naphthylthiourea	P101	Ethyl cyanide
P072	Thiourea, 1-naphthalenyl-	P101	Propanenitrile
P073	Nickel carbonyl	P102	2-Propyn-1-ol
P073	Nickel carbonyl Ni(CO) ₄ , (T-4)-	P102	Propargyl alcohol
P074	Nickel cyanide	P103	Selenourea
P074	Nickel cyanide Ni(CN) ₂	P104	Silver cyanide
P075	Nicotine, & salts	P104	Silver cyanide Ag(CN)
P075	Pyridine, 3-(1-methyl-2-pyrrolidinyl)-,(S)-, & salts	P105	Sodium azide
P076	Nitric oxide	P106	Sodium cyanide
P076	Nitrogen oxide NO	P106	Sodium cyanide Na(CN)
P077	Benzenamine, 4-nitro-	P108	Strychnidin-10-one, & salts
P077	p-Nitroaniline	P108	Strychnine, & salts
P078	Nitrogen dioxide	P109	Tetraethylthiopyrophosphate
P078	Nitrogen oxide NO ₂	P109	Thiodiphosphoric acid, tetraethyl ester
P081	1,2,3-Propanetriol, trinitrate (R)	P110	Plumbane, tetraethyl-
P081	Nitroglycerine (R)	P110	Tetraethyl lead
P082	Methanimine, N-methyl-N-nitroso-	P111	Diphosphoric acid, tetraethyl ester
P082	N-Nitrosodimethylamine	P111	Tetraethyl pyrophosphate
P084	N-Nitrosomethylvinylamine	P112	Methane, tetranitro- (R)
P084	Vinylamine, N-methyl-N-nitroso-	P112	Tetranitromethane (R)
P085	Diphosphoramidate, octamethyl-	P113	Thallic oxide
P085	Octamethylpyrophosphoramidate	P113	Thallium oxide Tl ₂ O ₃
P087	Osmium oxide OsO ₄ , (T-4)-	P114	Selenious acid, dithallium (1+) salt
P087	Osmium tetroxide	P114	Thallium(I) selenite
P088	7-Oxabicyclo[2.2.1]heptane-2,3-dicarboxylic acid	P115	Sulfuric acid, dithallium (1+) salt
P088	Endothall	P115	Thallium(I) sulfate
P089	Parathion	P116	Hydrazinecarbothioamide
P089	Phosphorothioic acid, O,O-diethyl-O-(4-nitrophenyl) ester	P116	Thiosemicarbazide
P092	Mercury, (acetato-O)phenyl-	P118	Methanethiol, trichloro-
P092	Phenylmercury acetate	P118	Trichloromethanethiol
P093	Phenylthiourea	P119	Ammonium vanadate
P093	Thiourea, phenyl-	P119	Vanadic acid, ammonium salt
P094	Phorate	P120	Vanadium oxide V ₂ O ₅
P094	Phosphorodithioic acid, O,O-diethyl S-[(ethylthio)methyl] ester	P120	Vanadium pentoxide
P095	Carbonic dichloride	P121	Zinc cyanide
P095	Phosgene	P121	Zinc cyanide Zn(CN) ₂
P096	Hydrogen phosphide	P122	Zinc phosphide Zn ₃ P ₂ , when present at concentrations greater than 10% (R,T)
P096	Phosphine	P123	Toxaphene
P097	Famphur	P127	7-Benzofuranol, 2-3dihydro-2,2-dimethyl-, methylcarbamate
P097	Phosphorothioic acid O-[4-[(dimethylamino)sulfonyl]phenyl] O,O-dimethyl ester	P127	Carbofuran.
P098	Potassium cyanide	P127	7-Benzofuranol, 2, 3-dihydro-2, 2 dimethyl-, methylcarbamate
		P128	Phenol, 4-(dimethylamino)-3,5-dimethyl-, methylcarbamate (ester)
		P128	Mexacarbate
		P185	1,3-Dithiolane-2carboxaldehyde, 2,4- dimethyl-, O-[(methylamino)- carbonyl]oxime.

2007 WASTE CODES

Code	Waste description	Code	Waste description
P188	Physostigmine salicylate		DISCARDED COMMERCIAL CHEMICAL PRODUCTS, OFF-SPECIFICATION SPECIES, CONTAINER RESIDUES, AND SPILL RESIDUES THEREOF – TOXIC WASTES (SEE 40 CFR 261.33 FOR AN ALPHABETIZED LISTING)
P189	Carbosulfan		
P189	Carbamic acid, [(dibutylamino)-thio]methyl-,2,3-dihydro-2,2dimethyl-7benzofuranyl ester.		
P190	Metolcarb.		
P191	Dimetilan		
P191	Carbamic acid, dimethyl-, 1-[(dimethyl-amino)carbonyl]-5-methyl-1H-pyrazol-3-yl ester.		
P192	Isolan		
P192	Carbamic acid, dimethyl-, 3-methyl-1-(1-methylethyl)-1H-pyrazo-5-yl ester.		
P194	Ethanimidothioc acid, 2-(dimethylamino)-N-[(methylamino) carbonyl]oxy)-2-oxo-,methyl ester	See F027	
P194	Oxamyl		
P196	Manganese, bis(dimethylcarbomodithioato-S,S')		
P196	Manganese dimethyldithiocarbamate		
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	Phenol, (3,5-dimethyl-4(methylthio)-, methylcarbamate		
P201	Promecarb		
P201	Phenol, 3-methyl-5-(1-methylethyl)-,methyl carbamate		
P202	Phenol, 3-(1 methylethyl)-, methyl carbamate		
P202	3-Isopropylphenyl N-methylcarbamate		
P202	m-Cumenyl methylcarbamate		
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-trimethylmethylcarbamate (ester), (3aS-cis)-		
P205	Ziram		
			2,3,4,6-Tetrachlorophenol
			2,4,5-T
			2,4,5-Trichlorophenol
			2,4,6-Trichlorophenol
			Acetic acid, (2,4,5-trichlorophenoxy)-
			Pentachlorophenol
			Phenol, 2,3,4,6-tetrachloro-
			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, 8balph)]-
		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

2007 WASTE CODES

Code	Waste description	Code	Waste description
U017	Benzene, (dichloromethyl)-	U044	Chloroform
U018	Benz[a]anthracene	U044	Methane, trichloro-
U019	Benzene (I,T)	U045	Methane, chloro- (I,T)
U020	Benzenesulfonic acid chloride (C,R)	U045	Methyl chloride (I,T)
U020	Benzenesulfonyl chloride (C,R)	U046	Chloromethyl methyl ether
U021	[1,1'-Biphenyl]-4,4'-diamine	U046	Methane, chloromethoxy-
U021	Benzidine	U047	beta-Chloronaphthalene
U022	Benzo[a]pyrene	U047	Naphthalene, 2-chloro-
U023	Benzene, (trichloromethyl)-	U048	o-Chlorophenol
U023	Benzotrichloride (C,R,T)	U048	Phenol, 2-chloro-
U024	Dichloromethoxy ethane	U049	4-Chloro-o-toluidine, hydrochloride
U024	Ethane, 1,1'-[methylenebis(oxy)]bis[2-chloro-	U049	Benzenamine, 4-chloro-2-methyl-, hydrochloride
U025	Dichloroethyl ether	U050	Chrysene
U025	Ethane, 1,1'-oxybis[2-chloro-	U051	Creosote
U026	Chloronaphazin	U052	Cresol (Cresylic acid)
U026	Naphthalenamine, N,N'-bis(2-chloroethyl)-	U052	Phenol, methyl-
U027	Dichloroisopropyl ether	U053	2-Butenal
U027	Propane, 2,2'-oxybis[2-chloro-	U053	Crotonaldehyde
U028	1,2-Benzenedicarboxylic acid, bis(2-ethylhexyl) ester	U055	Benzene, (1-methylethyl)- (I)
U028	Diethylhexyl phthalate	U055	Cumene (I)
U029	Methane, bromo-	U056	Benzene, hexahydro- (I)
U029	Methyl bromide	U056	Cyclohexane (I)
U030	4-Bromophenyl phenyl ether	U057	Cyclohexanone (I)
U030	Benzene, 1-bromo-4-phenoxy-	U058	2H-1,3,2-Oxazaphosphorin-2-amine, N,N-bis(2-chloroethyl)tetrahydro-, 2-oxide
U031	1-Butanol (I)	U058	Cyclophosphamide
U031	n-Butyl alcohol (I)	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)-
U032	Calcium chromate	U059	Daunomycin
U032	Chromic acid H ₂ CrO ₄ , calcium salt	U060	Benzene, 1,1'-(2,2-dichloroethylidene)bis[4-chloro-
U033	Carbon oxyfluoride (R,T)	U060	DDD
U033	Carbonic difluoride	U061	Benzene, 1,1'-(2,2,2-trichloroethylidene)bis[4-chloro-
U034	Acetaldehyde, trichloro-	U061	DDT
U034	Chloral	U062	Carbamothioic acid, bis(1-methylethyl)-, S-(2,3-dichloro-2-propenyl) ester
U035	Benzenebutanoic acid, 4-[bis(2-chloroethyl)amino]-	U062	Diallate
U035	Chlorambucil	U063	Dibenz[a,h]anthracene
U036	4,7-Methano-1H-indene, 1,2,4,5,6,7,8,8-octachloro-2,3,3a,4,7,7a-hexahydro-	U064	Benzo[rs]pentaphene
U036	Chlordane, alpha & gamma isomers	U064	Dibenzo[a,i]pyrene
U037	Benzene, chloro-	U066	1,2-Dibromo-3-chloropropane
U037	Chlorobenzene	U066	Propane, 1,2-dibromo-3-chloro-
U038	Benzenoacetic acid, 4-chloro-alpha-(4-chlorophenyl)-alpha-hydroxy-, ethyl ester	U067	Ethane, 1,2-dibromo-
U038	Chlorobenzilate	U067	Ethylene dibromide
U039	p-Chloro-m-cresol	U068	Methane, dibromo-
U039	Phenol, 4-chloro-3-methyl-	U068	Methylene bromide
U041	Epichlorohydrin	U069	1,2-Benzenedicarboxylic acid, dibutyl ester
U041	Oxirane, (chloromethyl)-	U069	Dibutyl phthalate
U042	2-Chloroethyl vinyl ether	U070	Benzene, 1,2-dichloro-
U042	Ethene, (2-chloroethoxy)-	U070	o-Dichlorobenzene
U043	Ethene, chloro-		
U043	Vinyl chloride		

2007 WASTE CODES

Code	Waste description	Code	Waste description
U071	Benzene, 1,3-dichloro-	U095	3,3'-Dimethylbenzidine
U071	m-Dichlorobenzene	U096	alpha,alpha-Dimethylbenzylhydroperoxide (R)
U072	Benzene, 1,4-dichloro-	U096	Hydroperoxide, 1-methyl-1-phenylethyl- (R)
U072	p-Dichlorobenzene	U097	Carbamic chloride, dimethyl-
U073	[1,1'-Biphenyl]-4,4'-diamine, 3,3'-dichloro-	U097	Dimethylcarbamoyl chloride
U073	3,3'-Dichlorobenzidine	U098	1,1-Dimethylhydrazine
U074	1,4-Dichloro-2-butene (I,T)	U098	Hydrazine, 1,1-dimethyl-
U074	2-Butene, 1,4-dichloro- (I,T)	U099	1,2-Dimethylhydrazine
U075	Dichlorodifluoromethane	U099	Hydrazine, 1,2-diphenyl-
U075	Methane, dichlorodifluoro-	U101	2,4-Dimethylphenol
U076	Ethane, 1,1-dichloro-	U101	Phenol, 2,4-dimethyl-
U076	Ethylidene dichloride	U102	1,2-Benzenedicarboxylic acid, dimethyl ester
U077	Ethane, 1,2-dichloro-	U102	Dimethyl phthalate
U077	Ethylene dichloride	U103	Dimethyl sulfate
U078	1,1-Dichloroethylene	U103	Sulfuric acid, dimethyl ester
U078	Ethene, 1,1-dichloro-	U105	2,4-Dinitrotoluene
U079	1,2-Dichloroethylene	U105	Benzene, 1-methyl-2,4-dinitro-
U079	Ethene, 1,2-dichloro-,(E)-	U106	2,6-Dinitrotoluene
U080	Methane, dichloro-	U106	Benzene, 2-methyl-1,3-dinitro-
U080	Methylene chloride	U107	1,2-Benzenedicarboxylic acid, dioctyl ester
U081	2,4-Dichlorophenol	U107	Di-n-octyl phthalate
U081	Phenol, 2,4-dichloro-	U108	1,4-Diethyleneoxide
U082	2,6-Dichlorophenol	U108	1,4-Dioxane
U082	Phenol, 2,6-dichloro-	U109	1,2-Diphenylhydrazine
U083	Propane, 1,2-dichloro-	U109	Hydrazine, 1,2-diphenyl-
U083	Propylene dichloride	U110	1-Propanimine, N-propyl-(I)
U084	1,3-Dichloropropene	U110	Dipropylamine (I)
U084	1-Propene, 1,3-dichloro-	U111	1-Propanamine, N-nitroso-N-propyl-
U085	1,2:3,4-Diepoxybutane (I,T)	U111	Di-n-propylnitrosamine
U085	2,2'-Bioxirane	U112	Acetic acid, ethyl ester (I)
U086	Hydrazine, 1,2-diethyl-	U112	Ethyl acetate (I)
U086	N,N'-Diethylhydrazine	U113	2-Propenoic acid, ethyl ester (I)
U087	O,O-Diethyl S-methyl dithiophosphate	U113	Ethyl acrylate (I)
U087	Phosphorodithioic acid, O,O-diethyl S-methyl ester	U114	Carbamodithioic acid, 1,2-ethanediylbis-, salts & esters
U088	1,2-Benzenedicarboxylic acid, diethyl ester	U114	Ethylenebisdithiocarbamic acid, salts & esters
U088	Diethyl phthalate	U115	Ethylene oxide (I,T)
U089	Diethylstilbesterol	U115	Oxirane (I,T)
U089	Phenol, 4,4'-(1,2-diethyl-1,2-ethenediyl)bis, (E)-	U116	2-Imidazolidinethione
U090	1,3-Benzodioxole, 5-propyl-	U116	Ethylenethiourea
U090	Dihydrosafrole	U117	Ethane, 1,1'-oxybis-(I)
U091	[1,1'-Biphenyl]-4,4'-diamine, 3,3'-dimethoxy-	U117	Ethyl ether (I)
U091	3,3'-Dimethoxybenzidine	U118	2-Propenoic acid, 2-methyl-, ethyl ester
U092	Dimethylamine (I)	U118	Ethyl methacrylate
U092	Methanamine, N-methyl- (I)	U119	Ethyl methanesulfonate
U093	Benzenamine, N,N-dimethyl-4-(phenylazo)-	U119	Methanesulfonic acid, ethyl ester
U093	p-Dimethylaminoazobenzene	U120	Fluoranthene
U094	7,12-Dimethylbenz[a]anthracene	U121	Methane, trichlorofluoro-
U094	Benz[a]anthracene, 7,12-dimethyl-	U121	Trichloromonofluoromethane
U095	[1,1'-Biphenyl]-4,4'-diamine, 3,3'-dimethyl-	U122	Formaldehyde
		U123	Formic acid (C,T)

2007 WASTE CODES

Code	Waste description	Code	Waste description
U124	Furan (I)	U148	3,6-Pyridazinedione, 1,2-dihydro-
U124	Furfuran (I)	U148	Maleic hydrazide
U125	2-Furancarboxaldehyde (I)	U149	Malononitrile
U125	Furfural (I)	U149	Propanedinitrile
U126	Glycidylaldehyde	U150	L-Phenylalanine, 4-[bis(2-chloroethyl)amino]-
U126	Oxiranecarboxyaldehyde	U150	Melphalan
U127	Benzene, hexachloro-	U151	Mercury
U127	Hexachlorobenzene	U152	2-Propenenitrile, 2-methyl- (I,T)
U128	1,3-Butadiene, 1,1,2,3,4,4-hexachloro-	U152	Methacrylonitrile (I,T)
U128	Hexachlorobutadiene	U153	Methanethiol (I,T)
U129	Cyclohexane, 1,2,3,4,5,6-hexachloro-, (1alpha, 2alpha, 3beta, 4alpha, 5alpha, 6beta)-	U153	Thiomethanol (I,T)
U129	Lindane	U154	Methanol (I)
U130	1,3-Cyclopentadiene, 1,2,3,4,5,5-hexachloro-	U154	Methyl alcohol (I)
U130	Hexachlorocyclopentadiene	U155	1,2-Ethanediamine, N,N-dimethyl-N'-2-pyridinyl-N'- (2-thienylmethyl)-
U131	Ethane, hexachloro-	U155	Methapyrilene
U131	Hexachloroethane	U156	Carbonochloridic acid, methyl ester, (I,T)
U132	Hexachlorophene	U156	Methyl chlorocarbonate (I,T)
U132	Phenol, 2,2'-methylenebis[3,4,6-trichloro-	U157	3-Methylcholanthrene
U133	Hydrazine (R,T)	U157	Benz[j]aceanthrylene, 1,2-dihydro-3-methyl-
U134	Hydrofluoric acid (C,T)	U158	4,4'-Methylenebis(2-chloroaniline)
U134	Hydrogen fluoride (C,T)	U158	Benzenamine, 4,4'-methylenebis[2-chloro-
U135	Hydrogen sulfide	U159	2-Butanone (I,T)
U135	Hydrogen sulfide H2S	U159	Methyl ethyl ketone (MEK) (I,T)
U136	Arsinic acid, dimethyl-	U160	2-Butanone, peroxide (R,T)
U136	Cacodylic acid	U160	Methyl ethyl ketone peroxide (R,T)
U137	Indeno[1,2,3-cd]pyrene	U161	4-Methyl-2-pentanone (I)
U138	Methane, iodo-	U161	Methyl isobutyl ketone (I)
U138	Methyl iodide	U161	Pentanol, 4-methyl-
U140	1-Propanol, 2-methyl- (I,T)	U162	2-Propenoic acid, 2-methyl-, methyl ester (I,T)
U140	Isobutyl alcohol (I,T)	U162	Methyl methacrylate (I,T)
U141	1,3-Benzodioxole, 5-(1-propenyl)-	U163	Guanidine, N-methyl-N'-nitro-N-nitroso-
U141	Isosafrole	U163	MNNG
U142	1,3,4-Metheno-2H-cyclobuta[cd]pentalen-2- one, 1,1a,3,3a,4,5,5a,5b,6- decachlorooctahydro-	U164	4(1H)-Pyrimidinone, 2,3-dihydro-6-methyl-2-thioxo-
U142	Kepone	U164	Methylthiouracil
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]]-	U165	Naphthalene
U143	Lasiocarpine	U166	1,4-Naphthalenedione
U144	Acetic acid, lead(2+) salt	U166	1,4-Naphthoquinone
U144	Lead acetate	U167	1-Naphthalenamine
U145	Lead phosphate	U167	alpha-Naphthylamine
U145	Phosphoric acid, lead(2+) salt (2:3)	U168	2-Naphthalenamine
U146	Lead subacetate	U168	beta-Naphthylamine
U146	Lead, bis(acetato-O)tetrahydroxytri-	U169	Benzene, nitro-
U147	2,5-Furandione	U169	Nitrobenzene (I,T)
U147	Maleic anhydride	U170	p-Nitrophenol (I,T)
		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

2007 WASTE CODES

Code	Waste description	Code	Waste description
U174	Ethanamine, N-ethyl-N-nitroso-	U202	1,2-Benzisothiazol-3(2H)-one, 1,1-dioxide, & salts
U174	N-Nitrosodiethylamine	U202	Saccharin, & salts
U176	N-Nitroso-N-ethylurea	U203	1,3-Benzodioxole, 5-(2-propenyl)-
U176	Urea, N-ethyl-N-nitroso-	U203	Safrole
U177	N-Nitroso-N-methylurea	U204	Selenious acid
U177	Urea, N-methyl-N-nitroso-	U204	Selenium dioxide
U178	Carbamic acid, methylnitroso-, ethyl ester	U205	Selenium sulfide
U178	N-Nitroso-N-methylurethane	U205	Selenium sulfide SeS2 (R,T)
U179	N-Nitrosopiperidine	U206	D-Glucose, 2-deoxy-2-[[[(methylnitrosoamino)-
U179	Piperidine, 1-nitroso-	U206	carbonyl]amino]-
U180	N-Nitrosopyrrolidine	U206	Glucopyranose, 2-deoxy-2-(3-methyl-3-
U180	Pyrrolidine, 1-nitroso-	U206	nitrosoureido)-,D-
U181	5-Nitro-o-toluidine	U206	Streptozotocin
U181	Benzenamine, 2-methyl-5-nitro	U207	1,2,4,5-Tetrachlorobenzene
U182	1,3,5-Trioxane, 2,4,6-trimethyl-	U207	Benzene, 1,2,4,5-tetrachloro-
U182	Paraldehyde	U208	1,1,1,2-Tetrachloroethane
U183	Benzene, pentachloro-	U208	Ethane, 1,1,1,2-tetrachloro-
U183	Pentachlorobenzene	U209	1,1,2,2-Tetrachloroethane
U184	Ethane, pentachloro-	U209	Ethane, 1,1,2,2-tetrachloro-
U184	Pentachloroethane	U210	Ethene, tetrachloro-
U185	Benzene, pentachloronitro-	U210	Tetrachloroethylene
U185	Pentachloronitrobenzene (PCNB)	U211	Carbon tetrachloride
U186	1,3-Pentadiene (I)	U211	Methane, tetrachloro-
U186	1-Methylbutadiene (I)	U213	Furan, tetrahydro-(I)
U187	Acetamide, N-(4-ethoxyphenyl)-	U213	Tetrahydrofuran (I)
U187	Phenacetin	U214	Acetic acid, thallium(1+) salt
U188	Phenol	U214	Thallium(I) acetate
U189	Phosphorus sulfide (R)	U215	Carbonic acid, dithallium(1+) salt
U189	Sulfur phosphide (R)	U215	Thallium(I) carbonate
U190	1,3-Isobenzofurandione	U216	Thallium chloride TlCl
U190	Phthalic anhydride	U216	Thallium(I) chloride
U191	2-Picoline	U217	Nitric acid, thallium(1+) salt
U191	Pyridine, 2-methyl-	U217	Thallium(I) nitrate
U192	Benzamide, 3,5-dichloro-N-(1,1-dimethyl-2-	U218	Ethanethioamide
U192	propynyl)-	U218	Thioacetamide
U192	Pronamide	U219	Thiourea
U193	1,2-Oxathiolane, 2,2-dioxide	U220	Benzene, methyl-
U193	1,3-Propane sultone	U220	Toluene
U194	1-Propanamine (I,T)	U221	Benzenediamine, ar-methyl-
U194	n-Propylamine (I,T)	U221	Toluenediamine
U196	Pyridine	U222	Benzenamine, 2-methyl-, hydrochloride
U197	2,5-Cyclohexadiene-1,4-dione	U222	o-Toluidine hydrochloride
U197	p-Benzoquinone	U223	Benzene, 1,3-diisocyanatomethyl- (R,T)
U200	Reserpine	U223	Toluene diisocyanate (R,T)
U200	Yohimban-16-carboxylic acid, 11,17-	U225	Bromoform
U200	dimethoxy-18-[(3,4,5-trimethoxybenzoyl) oxy]-	U225	Methane, tribromo-
U200	, methyl ester, (3beta, 16beta, 17alpha,	U226	Ethane, 1,1,1-trichloro-
U200	18beta, 20alpha)-	U226	Methyl chloroform
U201	1,3-Benzenediol	U227	1,1,2-Trichloroethane
U201	Resorcinol	U227	Ethane, 1,1,2-trichloro-
		U228	Ethene, trichloro-

2007 WASTE CODES

Code	Waste description	Code	Waste description
U228	Trichloroethylene	U364	Bendiocarb phenol
U234	1,3,5-Trinitrobenzene (R,T)	U367	7-Benzofuranol, 2,3-dihydro-2,2-dimethyl-
U234	Benzene, 1,3,5-trinitro-	U367	Carbofuran phenol
U235	1-Propanol, 2,3-dibromo-, phosphate (3:1)	U372	Carbamic acid, 1H-benzimidazol-2-yl, methyl ester
U235	Tris(2,3,-dibromopropyl) phosphate	U372	Carbendazim
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	U373	Carbamic acid, phenyl-, 1-methylethyl ester
U236	Trypan blue	U373	Propham
U237	2,4-(1H,3H)-Pyrimidinedione, 5-[bis(2-chloroethyl)amino]-	U387	Carbamothiocic acid, dipropyl-, S-(phenylmethyl) ester
U237	Uracil mustard	U387	Prosulfocarb
U238	Carbamic acid, ethyl ester	U389	Triallate
U238	Ethyl carbamate (urethane)	U389	Carbamothiocic acid, bis (1-methylethyl)-, S-(2,3,3-trichloro-2propenyl) ester
U239	Benzene, dimethyl- (I,T)	U394	Ethanimidothiocic acid, 2-(dimethylamino)-N-hydroxy-2-oxo, methyl ester
U239	Xylene (I)	U394	A2213
U240	2,4-D, salts & esters	U395	Diethylene glycol, dicarbamate
U240	Acetic acid, (2,4-dichlorophenoxy)-, salts & esters	U395	Ethanol, 2, 2;-oxybis-,dicarbamate
U240	Dichlorophenoxyacetic acid 2,4-D	U404	Ethanamine, N, N-diethyl-
U243	1-Propene, 1,1,2,3,3,3-hexachloro-	U404	Triethylamine
U243	Hexachloropropene	U409	Thiophanate-methyl
U244	Thioperoxydicarbonic diamide [(H ₂ N)C(S)] ₂ S ₂ , tetramethyl-	U409	Carbamic acid, (1,2-phenylenebis(iminocarbonothioyl)]bis-, dimethyl ester
U244	Thiram	U410	Ethanimidothiocic acid, N, N'-(thiobis[(methylimino)carbonyloxy]]bis-, dimethyl ester
U246	Cyanogen bromide (CN)Br	U411	Propoxur
U247	Benzene, 1,1'-(2,2,2-trichloroethylidene)bis[4-methoxy-	U411	Phenol, 2-(-1-methylethoxy)-, methylcarbamate
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 ₃ P ₂ , when present at concentrations of 10% or less		
U271	Benomyl		
U278	Bendiocarb		
U278	1,3-Benzodioxol-4-ol, 2,2-dimethyl-, methyl carbamate		
U279	Carbaryl		
U279	1-Naphthalenol, methylcarbamate		
U280	Barban		
U280	Carbamic acid, (3-chlorophenol)-, 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	1,3-Benzodioxol-4ol, 2,2-dimethyl		

This page intentionally left blank.

APPENDIX E

STATE GUIDANCE

This page intentionally left blank.

STATE GUIDANCE

The Environmental Protection Agency, Office of Solid Waste provides guidance to the implementers (States and Regions) to determine which reported waste should be included in the National Hazardous Waste Biennial Report (NBR). It is the responsibility of each implementer to determine which sites and wastes should be included in the NBR. Implementers indicate which sites and wastes are to be included in the NBR by setting "include in national report" flags. These flags exist at both the site level and waste level. Implementers may submit sites and waste streams that are not included in the NBR. An implementer's complete submission, regardless of whether the site and/or waste stream is marked for inclusion in the NBR, is stored in RCRAInfo.

A site should be included in the NBR if that site was a Large Quantity Generator (based on the federal definition) or a Treatment, Storage or Disposal Facility (TSDF) in calendar year 2007, regardless of the site's current generator and/or TSDF status. The Site ID Form generator status boxes (Item 10.A.1.a, b, or c) and TSDF status box (Item 10.A.3) indicate the site's generator status and TSDF status on the date that the biennial report submission was certified (Item 13). It is possible that a site's generator and/or TSDF status was different in calendar year 2007 than it was at the time of the biennial report submission certification.

Once a site is determined to meet the criteria for inclusion in the NBR, each waste stream reported by that site should be reviewed to determine whether that waste should be included in the NBR. Items to review include: 1) foreign exports, 2) on-site management without a RCRA permit, and 3) wastewaters.

The *2007 Hazardous Waste Report Instructions and Forms* says "RCRA hazardous wastes exported directly to a foreign country **should not be reported** on Form GM. Rather, hazardous waste exports should be reported on the Annual Report required under 40 CFR 262.56." Some implementers require reporting of wastes exported to foreign countries. In these cases, waste shipped off-site to foreign countries should be marked for inclusion in the NBR.

Treatment, storage and disposal activities generally require a federal RCRA permit allowing a site to conduct various TSD activities. However, there are treatment and recycling activities that do not require a RCRA permit. Regardless of whether the TSD activity requires a RCRA permit or not, the management of this waste should be included in the NBR.

In general, wastewaters should be excluded from the NBR. Characteristics that often identify wastewaters include the following form codes and/or management methods.

Form Codes:

- W101 Very dilute aqueous waste containing more than 99% water
- W105 Acidic aqueous wastes less than 5% acid
- W113 Other aqueous waste or wastewaters

Management Methods:

- H071 Chemical reduction with or without precipitation
- H073 Cyanide destruction with or without precipitation
- H075 Chemical oxidation
- H076 Wet air oxidation
- H077 Other chemical precipitation with or without pre-treatment
- H081 Biological treatment with or without precipitation

- H082 Adsorption
- H083 Air or steam stripping
- H121 Neutralization only
- H122 Evaporation
- H123 Settling or clarification
- H124 Phase separation
- H129 Other treatment
- H135 Discharge to sewer/POTW or NPDES

The *2007 Hazardous Waste Report Instructions and Forms* contains the following additional instructions regarding the reporting of wastewaters:

Following are the materials and wastes addressed under 40 CFR 261.4(a) and (b) and 261.5(c), which **should not be reported** on Form GM:

- Materials which are excluded from being a solid waste, e.g., any mixture of domestic sewage and other wastes that pass through a sewer system to a publicly owned treatment works (unless they are stored or treated in regulated units prior to being discharged). (40 CFR 261.4(a))
- Wastes managed immediately upon generation only in on-site elementary neutralization units, wastewater treatment units, or totally enclosed treatment facilities as defined in 40 CFR 260.10. (40 CFR 261.5(c)(2)) **Any hazardous waste residues generated from these units, however, must be reported on Form GM.**

Wastes exhibiting wastewater characteristics (i.e., form code of W101, W105, or W113) that are managed via deepwell or underground injection (H134) should be included in the NBR.

This page intentionally left blank.

