

## **National Priority Chemicals Trends Report (2004-2006)**

## Table of Exhibits

Hazardous Waste Minimization and Management Division Office of Solid Waste U.S. Environmental Protection Agency

## **Contact Information:**

Bill Kline, Senior Data Analyst Analysis & Information Branch (540) 341-3631 kline.bill@epa.gov

Tammie Owen, Data Analyst Analysis & Information Branch (703) 308-4044 owen.tammie@epa.gov

Ben Lesser, Chief Analysis & Information Branch (703) 308-0314 lesser.ben@epa.gov

## **TABLE OF EXHIBITS**

SECTION 1		
Exhibit 1.1.	List of the Priority Chemicals	
Exhibit 1.2.	Release and Management Quantities of Priority Chemicals Reported to TRI (2006)	1-3
Exhibit 1.3.	Comparison of Toxics Release Inventory (TRI) and Hazardous Waste Biennial Report (BR)	
	Reporting	1-5
SECTION 2		
Exhibit 2.1.	NPEP Priority Chemical Reduction Achievements through FY 2007	2-2
Exhibit 2.2.	NPEP Priority Chemical Reduction Commitments through FY 2011	
SECTION 3		
Exhibit 3.1.	Total Quantity and Number of Facilities for the Priority Chemicals (2004–2006)	3-1
Exhibit 3.2.	Total Quantity (pounds) and Number of Facilities Reporting Priority Chemicals (2004–2006)	
Exhibit 3.3.	Total Quantity by Priority Chemical (2004–2006)	
Exhibit 3.4.	Number of Facilities That Reported Each Priority Chemical by Quantity Range (2006)	
Exhibit 3.5	Distribution of Priority Chemicals, by State (2006)	
Exhibit 3.6.	Priority Chemical Quantity, by State (2004–2006)	
Exhibit 3.7.	Priority Chemical Quantity, by State (2004–2000)	5-0
EXIIIVIL 5.7.	(2006)	3-8
Exhibit 3.8.	Counties in Which Facilities Reported the Majority of the Total Quantity of Individual Priority	
	Chemicals (2006)	
Exhibit 3.9.	Priority Chemical Quantity, By Industry (2006)	.3-12
Exhibit 3.10.	Key Industries Reporting Priority Chemicals (2006)	.3-12
Exhibit 3.11.	Quantity of Priority Chemicals Reported by Key Industries (2006)	.3-14
Exhibit 3.12.	Trends in Management Methods for Priority Chemicals (2004–2006)	.3-18
Exhibit 3.13.	Management Methods for Priority Chemicals (2006)	.3-18
Exhibit 3.14.	Management Methods for Priority Chemicals, by NAICS Code, for Facilities Reporting 90 Percent	
F 1 11 1/ 2 15	of the Total PC Quantity (2006)	
Exhibit 3.15.	Quantities of Priority Chemicals Contained in Hazardous Wastes (2005)	
Exhibit 3.16.	Distribution of PC Quantities Contained in Hazardous Wastes (2005)	.3-23
SECTION 4		
Exhibit 4.1.	National Generation of 1,2,4-Trichlorobenzene (2004–2006)	
Exhibit 4.2.	Quantity of 1,2,4-Trichlorobenzene, by County (2006)	
Exhibit 4.3.	Industry Sectors Quantities of 1,2,4-Trichlorobenzene (2004–2006)	
Exhibit 4.4.	Management Methods for 1,2,4-Trichlorobenzene in Industry Sectors (2006)	4-4
Exhibit 4.5.	Estimated Quantity of 1,2,4-trichlorobenzene in Primary Generation Hazardous Waste, by NAICS Code (2005)	15
Exhibit 4.6.	National Generation of Anthracene (2004–2006)	
Exhibit 4.7.	Quantity of Anthracene, for Facilities Reporting 99.9 Percent of Total Quantity, by County (2006)	
Exhibit 4.7.	Industry Sectors Quantities of Anthracene (2004–2006)	
Exhibit 4.8.	Management Methods for Anthracene in Industry Sectors (2006)	
	Facilities That Only Recycled Anthracene in 2006	
Exhibit 4.10.		4-9
Exhibit 4.11.	Estimated Quantity of Anthracene in Primary Generation Hazardous Waste for Facilities Reporting 99 Percent of the Total Priority Chemical Quantity, by NAICS Code (2005)	4.0
Exhibit 4.12.	National Generation of Cadmium (2004–2006)	
Exhibit 4.12.	Quantity of Cadmium, for Facilities Reporting 95 Percent of Total Quantity, by County (2006)	
		.4-11
Exhibit 4.14.	Industry Sectors Quantities of Cadmium, for Facilities Reporting 95 Percent of Total Quantity (2006)	<b>/</b> _11
Exhibit 4.15.	Management Methods for Cadmium in Industry Sectors (2006)	
Exhibit 4.15.	Industries in Which Facilities Only Recycled Cadmium, Reporting 95 Percent of the Cadmium	.4-12
LAIIIUIL 4.10.	Managed Only By Recycling (2006)	.4-13
		13

Exhibit 4.17.	Facilities That Only Recycled Cadmium, Reporting 95 Percent of the Cadmium Managed Only By Recycling (2006)	1 13
Exhibit 4.18.	Estimated Quantity of Cadmium in Primary Generation Hazardous Waste for Facilities Reporting	.4-13
Lamon 4.16.	90 Percent of the Total Priority Chemical Quantity, by NAICS Code (2005)	4-14
Exhibit 4.19.	National Generation of Dioxins (2004–2006)	
Exhibit 4.20.	Location of Facilities that Generated Dioxins (2006)	
Exhibit 4.21.	Quantity of Dioxins, for Facilities Reporting 98 Percent of Total Quantity, by County (2006)	
Exhibit 4.22.	Industry Sectors Quantities of Dioxins, for Facilities Reporting 99 Percent of Total Quantity (2006)	
Exhibit 4.23.	Management Methods for Dioxins in Industry Sectors (2006)	
Exhibit 4.24.	Estimated Quantity of Dioxins in Primary Generation Hazardous Waste for Facilities Reporting	. <del>4</del> -17
LAMOR 4.24.	97 Percent of the Total Priority Chemical Quantity, by NAICS Code (2005)	4_19
Exhibit 4.25.	National Generation of Hexachloro-1,3-butadiene (2004–2006)	
Exhibit 4.26.	Quantity of Hexachloro-1,3-butadiene, for Facilities Reporting 99.9 Percent of Total Quantity,	.4-20
Lamon 4.20.	by County (2006)	4-20
Exhibit 4.27.	Industry Sectors Quantities of Hexachloro-1,3-butadiene (2004–2006)	
Exhibit 4.27.	Management Methods for Hexachloro-1,3-butadiene in Industry Sectors (2006)	
Exhibit 4.29.	Estimated Quantity of Hexachloro-1,3-butadiene in Primary Generation Hazardous Waste, by	. 7 - 2 1
Eximon 4.27.	NAICS Code (2005)	4-22
Exhibit 4.30.	National Generation of Hexachloroethane (2004–2006)	
Exhibit 4.31.	Quantity of Hexachloroethane, for Facilities Reporting 99.9 Percent of Total Quantity, by	. 4-23
Eximon 4.51.	County (2006)	4-24
Exhibit 4.32.	Industry Sectors Quantities of Hexachloroethane (2004–2006)	
Exhibit 4.33.	Management Methods for Hexachloroethane in Industry Sectors (2006)	
Exhibit 4.34.	Estimated Quantity of Hexachloroethane in Primary Generation Hazardous Waste for Facilities	. 7 23
Lamon 4.54.	Reporting 99.9 Percent of the Total Priority Chemical Quantity, by NAICS Code (2005)	4-25
Exhibit 4.35.	National Generation of Lead (2004–2006)	
Exhibit 4.36.	Location of Facilities that Generated Lead (2006)	
Exhibit 4.37.	Quantity of Lead, for Facilities Reporting 80 Percent of Total Quantity, by County (2006)	
Exhibit 4.38.	Industry Sectors Quantities of Lead, for Facilities Reporting 90 Percent of Total Quantity (2006)	
Exhibit 4.39.	Management Methods for Lead, by Industry (NAICS Code) in 2006	
Exhibit 4.40.	Industries in Which Facilities Only Recycled Lead, Reporting 95 Percent of the Lead Managed	. 1 32
Emiloit 1.10.	Only By Recycling (2006)	4-33
Exhibit 4.41.	Facilities That Only Recycled Lead, Reporting 95 Percent of the Lead Managed Only By	
	Recycling (2006)	.4-33
Exhibit 4.42.	Estimated Quantity of Lead in Primary Generation Hazardous Waste for Facilities Reporting	• • • • •
Emilon III2.	95 Percent of the Total Priority Chemical Quantity, by NAICS Code (2005)	4-35
Exhibit 4.43.	National Generation of Mercury (2004–2006)	
Exhibit 4.44.	Location of Facilities that Generated Mercury (2006)	.4-38
Exhibit 4.45.	Quantity of Mercury, for Facilities Reporting 80 Percent of Total Quantity, by County (2006)	
Exhibit 4.46.	Industry Sectors Quantities of Mercury, for Facilities Reporting 90 Percent of Total Quantity (2006).	
Exhibit 4.47.	Management Methods for Mercury, by Industry (NAICS Code) in 2006	
Exhibit 4.48.	Industries in Which Facilities Only Recycled Mercury, Reporting 95 Percent of the Mercury	
	Managed Only By Recycling (2006)	.4-41
Exhibit 4.49.	Facilities That Only Recycled Mercury, Reporting 95 Percent of the Mercury Managed Only By	
	Recycling (2006)	.4-41
Exhibit 4.50.	Estimated Quantity of Mercury in Primary Generation Hazardous Waste for Facilities Reporting	
	90 Percent of the Total Priority Chemical Quantity, by NAICS Code (2005)	.4-42
Exhibit 4.51.	National Generation of Naphthalene (2004–2006)	
Exhibit 4.52.	Quantity of Naphthalene, for Facilities Reporting 80 Percent of Total Quantity, by County (2006)	
Exhibit 4.53.	Industry Sectors Quantities of Naphthalene, for Facilities Reporting 90 Percent of Total Quantity	
	(2006)	.4-45
Exhibit 4.54.	Management Methods for Naphthalene, by Industry (NAICS Code) in 2006.	
Exhibit 4.55.	Industries in Which Facilities Only Recycled Naphthalene Reporting 99.9 Percent of the	
	Naphthalene Managed Only By Recycling (2006)	.4-47
Exhibit 4.56.	Facilities That Only Recycled Naphthalene, Reporting 99.7 Percent of the Naphthalene Managed	
	Only By Recycling (2006)	.4-47

Exhibit 4.57.	Estimated Quantity of Naphthalene in Primary Generation Hazardous Waste for Facilities	
	Reporting 98 Percent of the Total Priority Chemical Quantity, by NAICS Code (2005)	
Exhibit 4.58.	National Generation of Polycyclic aromatic compounds (2004–2006)	4-49
Exhibit 4.59.	Quantity of Polycyclic Aromatic Compounds, for Facilities Reporting 90 Percent of Total  Quantity, by County (2006)	4-50
Exhibit 4.60.	Industry Sectors Quantities of Polycyclic Aromatic Compounds, for Facilities Reporting 95 Percent of Total Quantity (2006)	4-51
Exhibit 4.61.	Management Methods for Polycyclic Aromatic Compounds, by Industry (NAICS Code) in 2006	
Exhibit 4.62.	Industries in Which Facilities Only Recycled Polycyclic Aromatic Compounds, Reporting 99 Percent of the Polycyclic Aromatic Compounds Managed Only By Recycling (2006)	
Exhibit 4.63.	Facilities That Only Recycled Polycyclic Aromatic Compounds, Reporting 96 Percent of the Polycyclic aromatic compounds Managed Only By Recycling (2006)	4-52
Exhibit 4.64.	Estimated Quantity of Polycyclic aromatic compounds in Primary Generation Hazardous Waste for Facilities Reporting 99.9 Percent of the Total Priority Chemical Quantity, by NAICS Code (2005)	4-53
Exhibit 4.65.	Estimated Quantity of 1,2,4,5-tetrachlorobenzene in Hazardous Waste Streams Generated in 2005, by NAICS Code	
Exhibit 4.66.	Estimated Quantity of Acenaphthene in Hazardous Waste Streams Generated in 2005, by NAICS Code	
Exhibit 4.67.	Estimated Quantity of Acenaphylene in Hazardous Waste Streams Generated in 2005, by NAICS Code	
Exhibit 4.68.	Estimated Quantity of Endosulfan in Hazardous Waste Streams Generated in 2005, by NAICS Code	
Exhibit 4.69.	Estimated Quantity of Fluorene in Hazardous Waste Streams Generated in 2005, by NAICS Code	4-61
Exhibit 4.70.	Estimated Quantity of Pyrene in Hazardous Waste Streams Generated in 2005, by NAICS Code	4-62
SECTION 5		
Exhibit 5.1.	Federal Facilities Reporting Priority Chemicals (2004–2006)	
Exhibit 5.2.	Priority Chemicals Reported by Federal Facilities Nationwide (2004 –2006)	
Exhibit 5.3.	Number of Federal Facilities Reporting Each Priority Chemical by Quantity Range (2006)	
Exhibit 5.4.	Location of Federal Facilities that Generated Priority Chemicals (2006)	5-4
Exhibit 5.5.	Priority Chemical Quantity for Counties with Federal Facilities Reporting 90 Percent of the Total	~ 4
E-1:11:14 5 6	Quantity (2006)	
Exhibit 5.6.	Total Quantity of Priority Chemicals Reported by Federal Department or Agency (2004–2006)	
Exhibit 5.7.	Quantity of Individual Priority Chemicals Reported by Federal Department or Agency (2004–2006).	
Exhibit 5.8.	National Trends for How Federal Facilities Managed Priority Chemicals (2004–2006)	
Exhibit 5.9.	Management of Individual Priority Chemicals by Federal Facilities (2006)	
Exhibit 5.10. Exhibit 5.11.	Management of Priority Chemicals by Federal Department or Agency (2006)	
	Wanagement Methods Osed by Federal Departments and Figeneres, by Friotty Chemical (2000)	
SECTION 6	Laboration with Language Occasion of Principal (2006)	<i>c</i> 1
Exhibit 6.1.	Industries with Largest Quantity of Priority Chemicals (2006)	
Exhibit 6.2.	National Generation of Priority Chemicals by Facilities in NAICS 325181 (2004–2006)	6-2
Exhibit 6.3.	Trend for Quantities of Individual Priority Chemicals Reported by NAICS 325181 Facilities (2004–2006) and Comparison to National Quantities (2006)	
Exhibit 6.4.	Quantity of Priority Chemicals, by County, State, EPA Region (2004–2006)	
Exhibit 6.5.	Management of Priority Chemicals by NAICS 325181 Facilities (2006)	6-4
Exhibit 6.6.	Estimated Quantity of Priority Chemicals Contained in Primary Generation Hazardous Waste Reported by Facilities in NAICS 325181 (2005)	6.5
Exhibit 6.7.	National Generation of Priority Chemicals by Facilities in NAICS 331492 (2004–2006)	
Exhibit 6.7.	Trend for Quantities of Individual Priority Chemicals Reported by NAICS 331492 Facilities	0-0
EAIIIUIL U.O.	(2004–2006) and Comparison to National Quantities (2006)	6-6
Exhibit 6.9.	Quantity of Priority Chemicals, by County, State, EPA Region (2004–2006)	6-7
Exhibit 6.10.	Management of Priority Chemicals by NAICS 331492 Facilities (2006)	
Exhibit 6.11.	Estimated Quantity of Priority Chemicals Contained in Primary Generation Hazardous Waste	
	Reported by Facilities in NAICS 331492 (2005)	
Exhibit 6.12.	National Generation of Priority Chemicals by Facilities in NAICS 331111 (2004–2006)	6-10

Exhibit 6.13.	Trend for Quantities of Individual Priority Chemicals Reported by NAICS 331111 Facilities	
	(2004–2006) and Comparison to National Quantities (2006)	6-10
Exhibit 6.14.	Quantity (90 Percent of Total) of Priority Chemicals, by County, State, EPA Region (2004–2006)	)6-11
Exhibit 6.15.	Management of Priority Chemicals by NAICS 331111 Facilities (2006)	6-12
Exhibit 6.16.	Estimated Quantity of Priority Chemicals Contained in Primary Generation Hazardous Waste	
	Reported by Facilities in NAICS 331111 (2005)	6-13
Exhibit 6.17.	National Generation of Priority Chemicals by Facilities in NAICS 335991 (2004–2006)	
Exhibit 6.18.	Trend for Quantities of Individual Priority Chemicals Reported by NAICS 335991 Facilities	
	(2004–2006) and Comparison to National Quantities (2006)	6-14
Exhibit 6.19.	Quantity of Priority Chemicals, by County, State, EPA Region (2004–2006)	6-15
Exhibit 6.20.	Management of Priority Chemicals by NAICS 335991 Facilities (2006)	6-15
Exhibit 6.21.	Estimated Quantity of Priority Chemicals Contained in Primary Generation Hazardous Waste Re	ported
	by Facilities in NAICS 335991 (2005)	6-16
Exhibit 6.22.	National Generation of Priority Chemicals by Facilities in NAICS 331312 (2004–2006)	6-17
Exhibit 6.23.	Trend for Quantities of Individual Priority Chemicals Reported by NAICS 331312 Facilities	
	(2004–2006) and Comparison to National Quantities (2006)	6-17
Exhibit 6.24.	Quantity of Priority Chemicals, by County, State, EPA Region (2004–2006)	
Exhibit 6.25.	Management of Priority Chemicals by NAICS 331312 Facilities (2006)	6-19
Exhibit 6.26.	Estimated Quantity of Priority Chemicals Contained in Primary Generation Hazardous Waste	
	Reported by Facilities in NAICS 331312 (2005)	6-20