

ANNEX 7. Additional information for the Waste sector

Annex 7_I

Table 7_I.1. Amounts of **MUNICIPAL** waste generated and landfilled in Estonia in 1990–2006, tonnes

Municipal	Food		Mixed municipal waste		Garden and park waste		Glass		Inert		Paper		Plastic		Textile		Wood	
	G ¹	D ²	G	D	G	D	G	D	G	D	G	D	G	D	G	D	G	D
1990			382,151	349,791														
1991			382,151	349,791														
1992			432,580	432,580														
1993			371,770	371,770														
1994			472,639	354,709														
1995			522,097	457,264														
1996			564,704	564,704														
1997			593,258	593,258														
1998			557,157	557,157														
1999	162	19	564,265	571,842	3,307	3,082	253	36	6	4	1,868	239	157	88	83	14	8,421	985
2000	100	62	570,582	548,683	580	954	413	108	9	12	2,912	543	33	23	166	9	17	38
2001	41	10	398,710	399,072	9,194	169	11,507	14	502	62	12,943	0	457	1	0	0	121	8
2002	345	272	431,675	416,825	6,195	57	15,058	0	326	0	12,893	138	450	20	5	5	137	5
2003	710	347	451,116	368,220	6,696	821	15,726	131	784	12	27,733	463	1,362	276	1,112	235	1,562	0
2004	599	434	470,851	372,329	9,165	2,999	13,912	0	698	20	34,562	188	851	250	807	492	1,287	0
2005	2,194	1,125	465,438	362,747	9,289	994	916	2	761	31	47,745	523	1,287	3	0	485	1,473	30
2006	1,382	1,090	470,257	367,860	10,913	1,677	1,036	18	2,199	159	29,614	18	154	3	405	405	3,471	0

Table 7_I.2. Amounts of **INDUSTRIAL** waste generated and disposed on landfills in Estonia in 1990–2006, tonnes

Industrial	Organic		Textile		Wood		Paper		Plastic		Leather		Glass		Clinical	
	G	D	G	D	G	D	G	D	G	D	G	D	G	D	G	D
1990	572,369	35,989	1,835	684	75,556	11,510	3,582	2,755	606	545	546	485	3,468	173	2,569	597

¹ Generation

² Disposal

Industrial	Organic		Textile		Wood		Paper		Plastic		Leather		Glass		Clinical	
	G	D	G	D	G	D	G	D	G	D	G	D	G	D	G	D
1991	569,476	36,650	1,771	655	74,330	11,418	3,300	2,475	795	715	651	575	3,998	200	2,835	618
1992	489,872	45,283	2,650	1,900	90,590	17,900	4,110	1,480	2,310	2,150	2,180	1,870	11,700	310	3,834	695
1993	566,377	37,408	690	580	59,780	10,750	1,380	1,000	2,400	2,020	770	740	5,920	480	3,905	700
1994	552,516	11,644	876	0	72,619	10,029	1,637	587	645	996	654	571	695	46	3,220	0
1995	550,133	48,725	2,280	114	122,885	8,033	3,203	1,182	628	851	452	245	4,174	974	3,908	20
1996	704,893	127,946	1,478	744	180,391	23,302	1,873	1,763	179	1,602	508	508	4,663	923	3,180	2,281
1997	556,409	74,426	2,043	705	190,479	18,964	4,027	4,247	235	1,773	307	310	2,462	2,607	1,882	550
1998	563,463	61,512	1,991	576	280,384	26,910	5,183	5,399	295	2,372	317	319	4,653	1,956	1,499	201
1999	359,583	90,507	2,251	298	303,063	22,737	2,172	451	136	1,750	168	122	308	205	718	584
2000	303,713	47,270	2,685	893	538,511	5,270	677	174	310	52	174	174	22	19	4,905	784
2001	286,154	24,800	2,464	0	654,295	16,121	6,647	514	1,915	309	117	117	152	1	1,439	49
2002	299,512	2,531	2,498	367	367,296	4,716	6,838	128	3,337	290	66	60	732	252	1,052	50
2003	446,921	2,915	3,076	866	1,078,307	15,554	3,305	403	6,958	628	0	0	1,208	301	3,141	237
2004	528,541	3,389	3,885	1,280	1,218,689	13,324	11,049	750	7,149	984	0	0	3,586	728	1,130	416
2005	580,042	3,629	2,784	1,141	1,222,560	5,915	13,848	314	11,672	1,391	0	0	21,334	1,261	1,085	397
2006	362,845	4,165	2,507	953	1,116,246	2,300	44,409	141	18,121	1,078	0	0	25,092	1,274	894	246

Table 7_I.3. Amounts of **INDUSTRIAL** waste generated and disposed on landfills in Estonia in 1990–2006, tonnes

Industrial	Rubber		Metal		Petroleum -products, Oils and Solvents		Inert		Total waste, incl. municipal waste and sludge ³	
	G	D	G	D	G	D	G	D	G	D
1990	569	284	23,238	9,090	9,108	2,870	12,687,518	10,173,481	13,830,641	10,615,238
1991	624	312	23,720	9,306	10,310	2,672	12,805,314	10,235,021	13,944,324	10,673,896
1992	1,350	730	24,840	2,220	9,146	6,260	13,693,687	10,632,854	14,896,258	11,266,701
1993	740	310	32,130	29,660	25,305	950	13,574,271	10,852,315	14,783,728	11,356,983
1994	648	440	13,408	686	3,403	2,050	12,819,152	8,764,836	14,160,422	9,273,984
1995	541	398	36,411	693	29,966	2,875	12,131,392	10,066,051	13,927,619	10,620,611
1996	506	747	17,922	2,171	30,479	6,420	13,225,880	10,565,800	15,253,349	11,654,274
1997	478	1,055	21,783	7,825	4,168	5,258	13,345,533	11,156,923	14,991,247	12,077,217
1998	434	1,155	22,425	23,170	64,649	5,776	11,693,852	9,970,489	13,443,726	10,766,350
1999	0	213	28,123	15,355	2,341	82	9,752,377	8,487,214	11,344,529	9,268,161
2000	0	190	74,537	34,002	3,165	420	10,287,577	9,225,732	12,133,112	9,890,695
2001	193	192	407,320	1,141	13,991	2,022	10,750,386	9,059,659	12,838,753	9,510,700

³ Amounts of sludge generated and disposed, reported in Table W_I.3, are included

2002	48	48	464,023	8,733	95,198	0	12,266,242	9,437,785	14,397,134	9,875,965
2003	0	0	510,392	13,062	66,234	0	15,441,733	11,542,166	18,396,495	11,950,213
2004	16	0	630,940	16,862	75,384	65	14,102,496	11,113,620	17,470,942	11,531,389
2005	0	0	555,659	14,343	58,582	81	15,100,484	11,044,134	18,495,697	11,440,330
2006	0	0	624,926	10,708	57,924	70	15,172,588	10,575,996	20,013,877	10,972,773

Table 7_I.4. Amounts of sludge generated and disposed in Estonia in 1990–2006, tonnes

Sludge	Municipal Sludge		Industrial Sludge		Total	
	G	D	G	D	G	D
1990	13,795	5,711	82,582	45,272	96,378	50,984
1991	15,388	5,211	62,558	48,431	107,500	53,643
1992	18,238	17,244	109,172	103,226	127,410	120,470
1993	19,795	6,914	118,495	41,386	138,290	48,300
1994	31,249	18,235	187,061	109,156	218,310	127,391
1995	51,524	4,750	308,429	28,434	359,953	33,184
1996	65,382	43,783	391,385	262,090	456,767	305,873
1997	28,038	3,070	167,836	152,830	195,874	155,901
1998	27,843	2,801	166,673	71,933	194,516	74,735
1999	28,843	18,551	285,874	23,417	314,717	41,968
2000	43,409	8,220	292,567	25,461	335,976	33,681
2001	30,551	4,248	213,674	2,114	244,225	6,362
2002	28,376	1,359	344,922	2,323	373,298	3,682
2003	59,987	0	258,551	3,574	318,539	3,574
2004	69,207	0	276,351	3,257	345,558	3,257
2005	86,913	157	300,358	1,625	387,271	1,782
2006	105,094	14	1,945,070	4,596	2,050,165	4,610

Amounts of waste were combined into waste category groups using a principle described below:

MUNICIPAL WASTE

Food waste category includes amounts of waste with codes (20 01 08); (19 08 10); (20 01 09); (20 01 09 01); (20 01 25) and (20 01 26) of the European Waste catalogue (2002).

Mixed municipal waste category includes amounts of waste codes: (511) of the Estonian waste catalogue (1991) and (19 05 01), (20 03 01), (20 03 02), (20 03 03), (20 03 98) and (20 03 99) of the European Waste catalogue (2002).

Garden waste category includes amounts of waste with codes: (20 02 01) (biodegradable waste) of the European Waste catalogue (2002).

Glass waste category includes amounts of waste with codes: (20 01 02) of the European Waste catalogue (2002).

Paper waste category includes amounts of waste with codes: (20 01 01) of the European Waste catalogue (2002).

Plastic waste category includes amounts of waste with codes: (20 01 03), (20 01 04) and (20 01 39) of the European Waste catalogue (2002).

Textile waste category includes amounts of waste with codes: (20 01 10) and (20 01 11) of the European Waste catalogue (2002).

Wood waste category includes waste with codes: (20 01 07), (20 01 07 01), (20 01 37) and (20 01 38) of the European Waste catalogue (2002).

Municipal sludge category includes amounts of waste with codes: (20 03 04) and (19 08 05) of the European Waste catalogue (2002).

Inert waste category includes amounts of waste with codes: (20 01 14), (20 01 15), (20 01 17), (20 01 18), (20 01 19), (20 01 20), (20 01 20 01), (20 01 24), (20 01 27), (20 01 28), (20 01 29), (20 01 30), (20 01 31), (20 01

32), (20 01 33), (20 01 34), (20 01 35), (20 01 36), (20 02 03) and (20 03 05 01) of the European Waste catalogue (2002).

INDUSTRIAL WASTE

Organic waste category includes amounts of waste with codes: (11) (12) (13) and (16) of the Estonian waste catalogue (1991) and (02 01 02), (02 01 03), (02 01 06), (02 01 99), (02 02 02), (02 02 03), (02 02 99), (02 03 02), (02 03 03), (02 03 99), (02 05 01), (02 05 98), (02 05 99), (02 06 01), (02 06 02), (02 06 99), (02 07 04), (02 07 99), (04 02 10), (16 03 05), (16 03 06), (16 05 08), (18 01 02), (18 01 02 01), (19 03 03), (19 03 03 01), (19 05 02), (19 05 03) and (19 08 09) of the European Waste catalogue (2002).

Textile waste category includes amounts of waste with codes: (171) and (174) of the Estonian waste catalogue (1991) and (04 02 01), (04 02 03), (04 02 04), (04 02 05), (04 02 07), (04 02 08), (04 02 21), (04 02 22), (08 04 09), (08 04 10), (08 04 11), (08 04 12), (08 04 13), (08 04 14), (08 04 15), (08 04 16), (15 01 09), (15 02 02), (15 02 03) and (19 12 08) of the European Waste catalogue (2002).

Wood waste category includes amounts of waste with codes: (18) of the Estonian waste catalogue (1991) and (02 01 07), (03 01 01), (03 01 02), (03 01 03), (03 01 04), (03 01 05), (03 01 98), (03 01 99), (03 02 98), (03 03 01), (03 03 03), (15 01 03), (15 01 06), (15 01 06 01), (17 02 01), (17 02 01 01), (19 12 06) and (19 12 07) of the European Waste catalogue (2002).

Paper waste category includes amounts of waste with codes: (19) of the Estonian waste catalogue (1991) and (03 03 06), (03 03 07), (09 01 07), (09 01 08), (15 01 01), (15 01 01 01), (15 01 05), (15 01 05 01) and (19 12 01) of the European Waste catalogue (2002).

Plastic waste category includes amounts of waste with codes: (371) of the Estonian waste catalogue (1991) and (02 01 04), (07 02 13), (12 01 05), (15 01 02), (15 01 02 01), (16 01 19), (17 02 03) and (19 12 04) of the European Waste catalogue (2002).

Leather waste category includes amounts of waste with codes: (173) and (175) of the Estonian waste catalogue (1991) and (04 01 08), (04 01 09) of the European Waste catalogue (2002).

Glass waste category includes amounts of waste with codes: (214) of the Estonian waste catalogue (1991) and (10 11 02), (10 11 09), (10 11 10), (10 11 11), (10 11 12), (10 11 13), (10 11 14), (15 01 07), (16 01 20), (17 02 02) and (19 12 05) of the European Waste catalogue (2002).

Clinical waste category includes amounts of waste with codes: (531) of the Estonian waste catalogue (1991) and (18 01 01), (18 01 01 01), (18 01 03), (18 01 04), (18 01 05), (18 01 06), (18 01 07), (18 01 08), (18 01 09), (18 01 10), (18 01 97), (18 01 98), (18 01 99), (18 02 01), (18 02 01 01), (18 02 02), (18 02 03), (18 02 04), (18 02 05), (18 02 06), (18 02 07), (18 02 08), (18 02 97) and (18 02 98) of the European Waste catalogue (2002).

Rubber waste category includes amounts of waste with codes: (375) and (378) of the Estonian waste catalogue (1991) and (07 02 01), (07 02 03), (07 02 07), (07 02 08) of the European Waste catalogue (2002).

Metal waste category includes amounts of waste with codes: (25) of the Estonian waste catalogue (1991) and (02 01 10), (02 01 10 01), (02 01 10 02), (02 01 10 03), (02 01 10 05), (02 01 10 06), (10 02 01), (10 02 02), (10 02 10), (10 02 99), (10 03 02), (10 03 04), (10 03 05), (10 03 08), (10 03 09), (10 03 16), (10 03 17), (10 04 01), (10 04 02), (10 05 01), (10 06 01), (10 07 01), (10 08 08), (10 08 09), (10 08 12), (10 08 14), (10 09 02), (10 09 03), (10 09 05), (10 09 06), (10 09 07), (10 09 08), (10 10 05), (10 10 06), (10 10 07), (10 10 08), (10 10 99 01), (10 10 99 02), (10 10 99 04), (11 01 01), (11 01 03), (11 01 04), (11 01 04 01), (11 02 02), (11 02 03), (11 02 05), (11 02 06), (11 02 07), (11 02 99), (11 04 01 01), (11 05 01), (11 05 02), (11 05 03), (11 05 04), (11 05 99), (12 01 01), (12 01 02), (12 01 03), (12 01 03 01), (12 01 03 05), (12 01 18), (14 01 02), (15 01 04), (15 01 04 01), (15 01 04 02), (16 01 03), (16 01 04), (16 01 06), (16 01 12), (16 01 13), (16 01 14), (16 01 15), (16 01 16), (16 01 17), (16 01 18), (16 01 18 01), (16 01 18 02), (16 02 02), (16 02 05), (16 02 10), (16 02 11), (16 02 12), (16 02 13), (16 02 14), (16 02 15), (16 02 16), (16 02 16 01), (16 02 16 02), (16 02 16 03), (16 02 16 06), (16 02 16 07), (16 02 97), (16 06 03), (17 02 04), (17 04 01), (17 04 02), (17 04 03), (17 04 04), (17 04 05), (17 04 05 01), (17 04 06), (17 04 07), (17 04 08), (17 04 09), (17 04 10), (17 04 11), (19 01 02), (19 02 01), (19 10 01), (19 10 02), (19 10 02 04), (19 10 03), (19 10 04), (19 10 05), (19 10 06), (19 12 02), (19 12 03), (19 12 03 01), (19 12 03 02), (19 12 03 03), (19 12 03 05), (20 01 05), (20 01 06), (20 01 21), (20 01 22 01),

(20 01 23), (20 01 40), (20 01 40 01), (20 01 40 02), (20 01 40 03), (20 01 40 05), (20 01 40 06) and (20 03 05) of the European Waste catalogue (2002).

Industrial sludge category includes amounts of waste with codes: (02 01 01), (02 02 01), (02 02 04), (02 03 01), (02 03 04), (02 03 05), (02 04 03), (02 05 02), (02 06 03), (02 07 05), (03 03 11), (04 01 06), (04 01 07), (04 02 19), (04 02 20), (05 01 01), (05 01 02), (05 01 03), (05 01 04), (05 01 09), (05 01 10), (05 01 13), (05 02 01), (06 05 01), (06 05 02), (07 01 11), (07 01 12), (07 02 11), (07 02 12), (07 03 02), (07 03 11), (07 03 12), (07 04 11), (07 05 11), (07 05 12), (07 06 02), (07 06 11), (07 06 12), (07 07 11), (07 07 12), (08 01 15), (08 01 16), (08 03 07), (10 01 20), (10 01 21), (10 02 13), (10 02 14), (10 02 15), (10 03 25), (10 03 26), (10 04 07), (10 05 06), (10 06 07), (10 07 05), (10 08 17), (10 08 18), (19 02 05), (19 02 06), (19 06 03), (19 06 04), (19 06 05), (19 06 06), (19 06 99), (19 08 01), (19 08 02), (19 08 04), (19 08 04 01), (19 08 06), (19 08 07), (19 08 11), (19 08 12), (19 08 13), (19 08 14), (19 09 01), (19 09 02), (19 09 03), (19 09 04), (19 09 05), (19 09 06), (19 09 99), (19 11 05), (19 11 06), (19 13 03), (19 13 04), (19 13 05), (19 13 06) and (20 03 06) of the European Waste catalogue (2002).

Inert waste category includes all other waste categories are not mentioned in the above-listed waste categories.

Annex 7_II

Table 7_II.1. Amounts of waste generated in 1990–1998, tonnes

Code	GENERATION	1990 ⁴	1991 ⁵	1992 ⁶	1993 ⁷	1994 ⁸	1995 ⁹	1996 ¹⁰	1997 ¹¹	1998 ¹²
1	WASTES FROM AGRICULTURE, HORTICULTURE, FORESTRY, FOOD PREPARATION AND PROCESSING	658,334	654,174	594,992	634,127	628,937	682,991	941,720	820,993	958,780
11	Vegetable and animal residues	449,961	451,826	458,872	459,007	412,424	399,911	605,341	442,733	410,207
111	Organic soil and sludge	5,264	5,273	5,305	5,308	3,057	7,650	5,615	5,652	4,374
112	Plant-tissue waste	4,447	4,714	5,719	5,791	6,078	5,689	3,347	4,995	2,971
113	Waste from slaughterhouses	3,688	3,611	3,220	2,760	4,152	3,936	3,206	1,934	5,605
114	Animal-tissues wastes	355	400	696	780	790	1,789	717	11,522	1,358
115	Animal faeces, urine and manure	436,208	437,830	443,932	444,369	398,347	380,848	592,456	418,630	395,899
12	Wastes from food processing and preparation	109,083	103,328	9,920	88,580	119,733	138,250	89,189	99,880	143,411
121	Food residues			9,920	88,580	1,312	54,533	9,914	4,590	21,552
123	Wastes from the baking and confectionery industry					73,912	80,922	70,770	87,851	262
125	Waste from food processing and preparation					44,508	2,795	8,506	7,439	121,597
13	Vegetable and animal fat residue	10,102	10,945	12,260	17,520	19,181	7,968	6,518	10,091	8,107
131	Vegetable and animal oil residues					51	50	855	177	18
132	Vegetable and animal fat residues					8	11	164	32	24
133	Vegetable and animal fat emulsions					19,047	7,633	5,339	9,782	8,038
135	Sludges containing vegetable and animal fat					75	275	160	100	27
14	Carbohydrate (incl. amyloid) industry waste	4,447	4,646	5,590	5,130	635	3,929	52,501	67,653	107,375
143	Waste from starch industry					635	800	44,191	57,423	107,133
145	Sludges					0	3,129	8,310	10,230	242
16	Fooder waste	3,222	3,377	8,820	1,270	1,179	4,004	3,845	3,705	1,738
161	Fooder waste					1,179	4,004	3,845	3,705	1,738
17	Fibre and textile waste	2,381	2,422	4,830	1,460	1,530	2,841	2,061	2,425	2,375
171	Fibre and textile waste	1,835	1,771	2,650	690	876	2,280	1,478	2,043	1,991
173	Tanning waste									
174	Sludges from textile and leather industry						108	75	75	67
175	Leather residues	546	651	2,180	770	654	452	508	307	317

⁴ The data were interpolated

⁵ The data were interpolated

⁶ Estonian Environment 1993, 1994

⁷ Estonian Environment 1994, 1995

⁸ 1994. aasta Eesti jäätmekäitluse ülevaade statistilise aruande jäätmed alusel, 1995

⁹ 1995. aasta Eesti jäätmekäitluse ülevaade, 1996

¹⁰ 1996. aasta Eesti jäätmekäitluse ülevaade, 1997

¹¹ 1997. aasta Eesti jäätmekäitluse ülevaade, 1998

¹² 1998. aasta Eesti jäätmekäitluse ülevaade, 1999

Code	GENERATION	1990 ⁴	1991 ⁵	1992 ⁶	1993 ⁷	1994 ⁸	1995 ⁹	1996 ¹⁰	1997 ¹¹	1998 ¹²
18	Wastes from wood processing	75,556	74,330	90,590	59,780	72,619	122,885	180,391	190,479	280,384
181	Untreated wood wastes					60,418	101,562	153,123	166,580	240,643
183	Processed wood wastes					12,195	21,232	27,181	23,878	39,701
185	Sludges containing wood					7	91	87	21	40
19	Pulp, paper, cardboard waste	3,582	3,300	4,110	1,380	1,637	3,203	1,873	4,027	5,183
191	Pulp, paper and cardboard waste						185	626	955	1,020
193	Paper wastes					755	1,353	564	635	1,462
195	Paper and cardboard					882	1,665	683	2,437	2,701
2	INORGANIC WASTES	11,527,010	11,642,581	12,825,640	12,373,140	11,553,365	10,934,338	11,901,386	11,923,147	10,773,382
21	Metallurgy cinder, slag, dust	11,503,772	11,618,861	12,800,800	12,341,010	11,539,957	10,897,927	11,883,464	11,901,364	10,750,957
211	Waste from furnaces, melting and foudning			370	280	217	87	156	3	117
212	Waste from furnances, melting and foudning			20,360	19,470	16,415	1,283	3,038	3,207	531
213	Solids from power plants and boiler houses			8,228,100	6,167,000	6,003,385	5,725,765	5,945,995	5,835,824	5,208,986
214	Glass and ceramic waste	3,537	4,072	11,700	5,920	695	4,174	4,663	2,462	4,652.7
215	Mineral building material waste	20,783	21,016	27,380	12,730	19,712	23,227	23,322	41,883	253
216	Mineral sludges					98	48	158	54	
217	Other solid mineral wastes			4,486,600	6,126,900	5,495,819	5,138,872	5,894,552	6,000,694	5,419,520
218	Mineral sediments			26,290	8,710	3,617	4,473	11,580	17,238	19,922
25	Metallic waste	23,238	23,720	24,840	32,130	13,408	36,411	17,922	21,783	22,425
251	Ferrous and steel waste					6,784	30,632	11,806	17,018	18,278
252	Ferrous metal particles					5,921	5,342	5,127	4,392	3,799
255	Metal waste					165	120	537	85	105
256	Non-ferrous metal waste					537	250	451	287	240
258	Metal sediments						67	1	1	3
3	WASTES CHEMICALAL PROCESSES	1,185,487	1,188,885	909,912	1,262,146	1,283,473	1,264,555	1,324,955	1,383,312	1,002,489
31	Anorganic salts	236	246	580	60	53	556	88	384	62
312	Oxides, hydroxides, carbonates					14	515	11	330	15
313	Phosphates, nitrates and nitrides					10	14	13	10	5
314	Chlorides, fluorides and other halogenated solid slats					29	27	4	4	2
315	Sulfates, sulfides and nitrates						0	60	40	40
33	Acid-, alkali- and concentrated solvents	161	156	200	100	77	13,266	14,743	71	60,378
331	Inorganic acid					8	8	6	8	7
332	Organic acid					2	3	0	1	4
333	Inorganic acid						6	0	4	3
335	Solvents concentrated					5	47	37	3	3
337	Surface processing waste			200	100	54	45	44	49	41
338	Other solvents					8	2,122	150	3	77
339	Acid and alkaline waters					1	11,036	14,506	4	60,244
34	Oil, coal and oil shale waste	1,181,566	1,184,800	903,266	1,257,465	1,281,125	1,247,427	1,305,249	1,379,293	939,065
341	Mineral oil and oil waste	2,165	2,457	7,410	1,380	2,633	3,256	1,171	1,708	1,383
342	Fats and furs containing mineral oils	32	28	16	15	0	0	71	76	0
343	Oil emulsions, bilge	4,896	5,972	260	23,330	120	12,499	10,692	187	1,138
344	Mineral oil treatment residue	176	199	490	240	196	182	172	147	102

Code	GENERATION	1990 ⁴	1991 ⁵	1992 ⁶	1993 ⁷	1994 ⁸	1995 ⁹	1996 ¹⁰	1997 ¹¹	1998 ¹²
346	Oil, coal and oil shale solid waste	1,181,154	1,184,053	895,090	1,232,500	1,271,368	1,229,849	1,292,555	1,374,069	930,767
34620	Oil shale fuses			8,790	8,500					1,445
34621	Oil shale half coke			886,300	1,224,000					4,230
348	Oil, coal and oil shale solid sediments					1,904	288	110	1,937	
349	Oil, coal and oil shale processing liquid solvents					4,903	1,353	478	1,169	
35	Residue of solvents	1,678	1,498	770	240	376	376	3,631	1,978	1,648
351	Halogenated organic solvents					72	72	10	20	20
352	Halogens none-containing solvents					11	11	17	37	1,612
353	Solid waste from solvents separation					293	293	1,545	1,921	15
355	Solid waste containing solvents							2	0	0
358	Waste non otherwise specified							2,057		602
36	Paint, lacquer, glue, resin residue	621	711	1,420	1,130	544	1,031	555	839	0
363	Paint particle waste					0	0	1	1	3
364	Paint waste pigments					0	0	0	0	0
365	Paint- and varnish waste					16	39	16	20	37
366	Paint- lacquer- and glue resin waste					12	8	26	16	10
368	Sludges of glue-, paint-industry					130	21	22	98	19
369	Other waste from glue-, paint-industry					386	964	490	705	533
37	Plastic and rubber waste	1,175	1,419	3,660	3,140	1,293	1,170	686	714	728
371	Plastic waste	606	795	2,310	2,400	645	628	179	235	295
375	Solid rubber waste	569	624	1,350	740	648	541	505	478	434
378	Rubber sediments and emulsions					0		1	0	0
39	Other wastes of chemical industry	50	55	17	11	4	341	4	32	5
391	Residue of pesticides			17	11	4	1	3	31	0
392	Waste from pharmaceutical industry						0	0	0	1
394	Washing liquids						340			
397	Chemical and laboratory waste						0	0	1	4
4	LOW ACTIVITY SOLID RADIOACTIVE WASTE	707	740	1890	350	483	632	792	580	645
41	Low activity solid radioactive waste	707	740	1,890	350	483	632	792	580	645
411	Low activity solid radioactive waste	707	740	1,890	350	483	632	792	580	645
5	MUNICIPAL WASTES	481,098	492,485	563,525	513,656	694,169	937,622	1,024,651	791,014	753,172
51	Solid domestic waste	382,151	382,151	432,580	371,770	472,639	522,097	564,704	593,258	557,157
511	Solid domestic waste	374,192	374,192	432,580	371,770	472,639	522,097	564,704	593,258	557,157
53	Clinical waste	2,569	2,835	3,834	3,905	3,220	3,908	3,180	1,882	1,499
531	Clinical waste	2,447	2,676	3,535	3,596	3,220	3,908	3,180	1,882	1,499
55	Wastes from crude water treatment	754	730	2,460	540	1,307	950	1,069	1,553	1,515
551	Wastes from crude water treatment					1,307	950	1,069	1,553	1,515
57	Sediments from sewage treatment plants, sewerage	95,624	106,770	124,950	137,750	217,003	410,666	455,699	194,321	193,001
571	Waste from wastewater treatment					3,232	761	454	415	283
572	Crude water treatment sediments					31,483	116,936	170,422	13,356	12,609
573	Sediments from sewage treatment plants, sewerage					182,288	241,305	277,151	175,703	175,611

Code	GENERATION	1990 ⁴	1991 ⁵	1992 ⁶	1993 ⁷	1994 ⁸	1995 ⁹	1996 ¹⁰	1997 ¹¹	1998 ¹²
574	Sewage sludge						51,664	7,672	4,848	4,498
	Total	13,852,635	13,978,865	14,896,258	14,783,728	14,160,427	13,820,137	15,193,503	14,919,046	13,390,890

Table 7_II.2. Amounts of waste landfilled in Estonia in 1990–1998, tonnes

Code	DISPOSAL	1990	1991	1992	1993	1994	1995	1996	1997	1998
1	WASTES FROM AGRICULTURE, HORTICULTURE, FORESTRY, FOOD PREPARATION AND PROCESSING	51,927	54,645	78,024	62,919	22,830	58,299	159,468	109,282	94,757
11	Vegetable and animal residues	31,566	33,984	43,634	44,039	8,890	47,240	122,749	72,222	60,076
111	Organic soil and sludge	1,542	1,545	1,555	1,556	1,596	1,522	61,150	54,198	35,558
112	Plant-tissue waste	1,490	1,413	1,121	1,100	160	758	1,159	1,743	3,385
113	Waste from slaughterhouses	1,087	1,093	1,670	1,420	572	0	1,867	1,056	1,105
114	Animal-tissues wastes	191	192	192	199	110	0	361	381	339
115	Animal faeces, urine and manure	27,256	29,741	39,095	39,764	6,452	44,960	58,213	14,844	19,689
12	Wastes from food processing and preparation	1,896	2,370	9,580	2,070	0	1,261	4,462	952	1,086
121	Food residues			9,580	2,070	0	961	4,129	827	1,086
123	Wastes from the baking and confectionery industry					0	0	0	0	0
125	Waste from food processing and preparation					0	300	334	125	0
13	Vegetable and animal fat residue	532	671	280	1,410	2,741	1	315	634	146
131	Vegetable and animal oil residues					5	1	95	139	18
132	Vegetable and animal fat residues					2	0	161	11	101
133	Vegetable and animal fat emulsions					2,734	0	19	460	0
135	Sludges containing vegetable and animal fat					0	0	40	24	27
14	Carbohydrate (incl. amyloid) industry waste	1,604	1,609	20	2,240	0	0	5,205	10,630	42
143	Waste from starch industry					0	0	24	400	0
145	Sludges					0	0	5,181	10,230	42
16	Fooder waste	371	397	1,360	90	14	224	420	619	205
161	Fooder waste					14	224	420	619	205
17	Fibre and textile waste	1,208	1,248	3,770	1,320	571	358	1,252	1,015	895
171	Fibre and textile waste	725	674	1,900	580	0	114	669	633	514
173	Tanning waste									
174	Sludges from textile and leather industry						0	75	72	62
175	Leather residues	484	574	1,870	740	571	245	508	310	319
18	Wastes from wood processing	11,942	11,867	17,900	10,750	10,029	8,033	23,302	18,964	26,910
181	Untreated wood wastes					7,809	6,520	20,782	15,383	23,482
183	Processed wood wastes					2,213	1,503	2,433	3,560	3,388
185	Sludges containing wood					7	10	87	21	40
19	Pulp, paper, cardboard waste	2,808	2,499	1,480	1,000	587	1,182	1,763	4,247	5,399
191	Pulp, paper and cardboard waste						182	596	945	930
193	Paper wastes					40	214	601	624	1,679
195	Paper and cardboard					547	786	566	2,677	2,789
2	INORGANIC WASTES	8,988,734	9,060,703	9,737,840	9,647,710	7,491,968	8,839,110	9,273,303	9,795,931	9,068,341

Code	DISPOSAL	1990	1991	1992	1993	1994	1995	1996	1997	1998
21	Metallurgy cinder, slag, dust	8,979,717	9,051,431	9,735,620	9,618,050	7,491,283	8,838,416	9,271,132	9,788,106	9,045,171
211	Waste from furnaces, melting and founding			360	240	7	20	196	132	231
212	Waste from furnaces, melting and founding			13,540	18,930	10,982	107	3,148	3,056	451
213	Solids from power plants and boiler houses			7,152,900	5,641,800	5,622,321	5,280,857	5,162,710	5,143,762	5,066,583
214	Glass and ceramic waste	177	204	310	480	46	974	923	2,607	1,956
215	Mineral building material waste	14,555	14,720	19,900	8,640	2,745	198,024	380,034	480,643	261,809
216	Mineral sludges					10	48	5,713	4,243	253
217	Other solid mineral wastes			2,544,000	3,942,400	1,852,963	3,355,188	3,707,470	4,138,100	3,695,456
218	Mineral sediments			4,610	5,560	2,208	3,198	10,938	15,564	18,432
25	Metallic waste	9,017	9,272	2,220	29,660	686	693	2,171	7,825	23,170
251	Ferrous and steel waste					82	408	517	797	414
252	Ferrous metal particles					381	177	1,058	5,889	22,653
255	Metal waste					3	4	3	13	8
256	Non-ferrous metal waste					220	73	592	1,125	93
3	WASTES CHEMICALAL PROCESSES	1,169,056	1,173,195	904,774	1,235,435	1,276,602	1,232,087	1,298,362	1,368,300	935,889
31	Anorganic salts	166	167	570	20	5	532	78	399	65
312	Oxides, hydroxides, carbonates					3	503	1	323	12
313	Phosphates, nitrates and nitrides					0	0	13	30	10
314	Chlorides, fluorides and other halogenated solid slats					2	25	4	6	2
315	Sulfates, sulfides and nitrates						5	60	40	41
33	Acid-, alkali- and concentrated solvents	145	140	190	100	12	1,769	220	52	147
331	Inorganic acid					0	4	2	1	23
332	Organic acid					0	0	0	0	0
333							0	0	0	0
335	Solvents concentrated					0	30	22	0	2
337	Surface processing waste			190	100	3	2	44	48	45
338	Other solvents					8	1,734	150	3	77
339	Acid and alkaline waters					0	0	2	0	0
34	Oil, coal and oil shale waste	1,165,648	1,169,644	898,980	1,231,640	1,274,547	1,226,770	1,290,121	1,360,564	928,717
341	Mineral oil and oil waste	368	368	400	390	257	365	495	270	402
342	Fats and furs containing mineral oils	0	0	0	0	0	0	70	76	1
343	Oil emulsions, bilge	667	615	150	20	1,501	12	84	884	1,346
344	Mineral oil treatment residue	175	198	4,780	220	9	7	416	131	710
346	Oil, coal and oil shale solid waste	1,164,438	1,168,463	893,650	1,231,010	1,270,036	1,226,386	1,288,616	1,356,463	920,893
34620	Oil shale fuses			7,350	7,010					
34621	Oil shale half coke			886,300	1,224,000					
348	Oil, coal and oil shale solid sediments					1,813	1	231	1,837	1,214
349	Oil, coal and oil shale processing liquid solvents					931	0	210	903	4,153
35	Residue of solvents	1,797	1,679	740	220	270	722	5,136	3,845	3,170
351	Halogenated organic solvents					0	0	2	0	5
352	Halogens none-containing solvents					0	0	1	25	3,165
353	Solid waste from solvents separation					270	722	3,076	3,820	1
355	Solid waste containing solvents						0	0	0	0

Code	DISPOSAL	1990	1991	1992	1993	1994	1995	1996	1997	1998
358	Waste non otherwise specified							2,057		
36	Paint, lacquer, glue, resin residue	511	585	1,410	1,120	331	702	439	276	145
363	Paint particle waste					0	0	0	1	0
364	Paint waste pigments					0	0	2	0	0
365	Paint- and varnish waste					1	5	12	3	43
366	Paint- lacquer- and glue resin waste					1	1	4	5	14
368	Sludges of glue-, paint-industry					0	0	21	100	18
369	Other waste from glue-, paint-industry					329	696	400	167	69
37	Plastic and rubber waste	783	973	2,880	2,330	1,436	1,250	2,349	2,828	3,527
371	Plastic waste	500	664	2,150	2,020	996	779	1,602	1,472	2,372
373	Plastic waste					0	72	0	300	0
375	Solid rubber waste	282	310	730	310	300	288	527	915	1,078
378	Rubber sediments and emulsions					140	110	220	140	77
39	Other wastes of chemical industry	6	6	4	5	0	341	19	335	117
391	Residue of pesticides			4	5	0	1	13	301	111
392	Waste from pharmaceutical industry						0	1	1	2
394	Washing liquids						340	0	0	0
397	Chemical and laboratory waste							0	0	4
398	Catalysts and other waste							5	34	0
4	LOW ACTIVITY SOLID RADIOACTIVE WASTE	724	760	1,890	350	483	647	792	580	645
41	Low activity solid radioactive waste	724	760	1,890	350	483	647	792	580	645
411	Low activity solid radioactive waste	724	760	1,890	350	483	647	792	580	645
5	MUNICIPAL WASTES	377,344	373,912	553,912	420,948	482,100	490,469	922,349	803,123	666,719
51	Solid domestic waste	336,874	336,874	432,580	371,770	354,709	457,264	614,195	646,673	591,783
511	Solid domestic waste	336,874	336,874	432,580	371,770	354,709	457,264	614,195	646,673	591,783
53	Clinical waste	572	633	862	878	0	20	2,281	550	201
531	Clinical waste	572	633	862	878	0	20	2,281	550	201
55	Wastes from crude water treatment	398	364	2,460	540	1,297	948	1,927	3,070	2,801
551	... Wastes from crude water treatment					1,297	948	1,927	3,070	2,801
57	Sediments from sewage treatment plants, sewerage	39,501	36,042	118,010	47,760	126,094	32,236	303,946	152,830	71,933
571	... Waste from wastewater treatment					2,924	16	250	254	160
572	... Crude water treatment sediments					27,999	14,489	171,125	66,332	14,734
573	... Sediments from sewage treatment plants, sewerage					95,171	4,860	127,508	79,528	45,895
574	Sewage sludge						12,871	5,064	6,717	11,145
	Total	10,587,786	10,663,215	11,276,439	11,367,362	9,273,984	10,620,612	11,654,274	12,077,217	10,766,350

Table 7_II.3. Estonian waste management in 1999, tonnes¹³

Waste code	Review of Estonian waste management in 1999	Waste generation	... taken from others	Disposal in landfills	Disposal in landfills (calculated)
1	WASTE RESULTING FROM EXPLORATION, MINING, QUARRYING, AND PHYSICAL AND CHEMICAL TREATMENT OF MINERALS	3,672,882.5	121,860.2	22,711.7	2,481,467.0
01 01	Wastes from mineral excavation	3,668,305.0	0.0	5.0	2,385,657.0
01 01 02	Wastes from mineral non-metalliferous excavation	3,668,305.0		5.0	2,385,657.0
01 04	Wastes from physical and chemical processing of non-metalliferous minerals	4,577.5	121,860.2	22,706.7	95,810.0
01 04 01	Waste gravel and crushed rocks	2,582.5	121,002.2	21,848.7	93,940.0
01 04 02	Waste sand and clays	400.0	858.0	858.0	400.0
01 04 98	Limestone waste	1,595.0			1,470.0
01 04 99	Waste not otherwise specified				
2	WASTES FROM AGRICULTURE, HORTICULTURE, AQUACULTURE, FORESTRY, HUNTING AND FISHING, FOOD PREPARATION AND PROCESSING	520,471.3	1,300.4	1,126.9	5,159.4
02 01	Wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing	326,597.9	734.4	402.7	3,396.5
02 01 01	Sludges from washing and cleaning	9,708.0	31.9	220.2	1,091.5
02 01 03	Plant-tissue waste	2,919.7	178.2	74.7	278.7
02 01 04	Waste plastics (except packaging)	5.9	4.3	3.0	4.5
02 01 05	Agrochemical waste	62.4			-396.2
02 01 06	Animal faeces, urine and manure (including spoiled straw), effluent, collected separately and treated off-site	313,664.0	520.0	28.0	2,417.9
02 01 99	Wastes not otherwise specified	237.8		76.8	
02 02	Wastes from the preparation and processing of meat, fish and other foods of animal origin	93,237.0	566.0	602.6	751.5
02 02 01	Sludges from washing and cleaning	91,596.0		60.0	
02 02 02	Animal-tissue waste	827.0	62.0	38.1	448.2
02 02 03	Materials unsuitable for consumption or processing		504.0	504.0	
02 02 04	Sludges from on-site effluent treatment	380.8			302.3
02 02 99	Waste not otherwise specified	433.2		0.5	1.0
02 03	Wastes from fruit, vegetables, cereals, edible oils, cocoa, coffee, tea and tobacco preparation and processing; conserve production; yeast and yeast extract production, molasses preparation and fermentation	9,863.6	0.0	40.6	20.4
02 03 01	Sludges from washing, cleaning, peeling, centrifuging and separation	541.6		40.6	20.0
02 03 99	Wastes not otherwise specified	9,322.0			0.4
02 05	Wastes from the dairy products industry	26,112.0	0.0	4.2	991.0
02 05 01	Materials unsuitable for consumption or processing	457.0			
02 05 02	Sludges from on-site effluent treatment	1,394.2		4.2	
02 05 98	Whey				
02 05 99	Wastes not otherwise specified	24,260.8			991.0
02 06	Wastes from the baking and confectionery industry	21.4	0.0	8.7	0.0
02 06 01	Materials unsuitable for consumption or processing	14.8		8.7	
02 06 99	Waste not otherwise specified	6.6			

¹³ 1999. aasta Eesti jäätmekäitluse ülevaade, 2000

Waste code	Review of Estonian waste management in 1999	Waste generation	...taken from others	Disposal in landfills	Disposal in landfills (calculated)
02 07	Wastes from the production of alcoholic and non-alcoholic beverages (except coffee, tea and cocoa)	64,639.4	0.0	68.0	0.0
02 07 02	Wastes from spirits distillation	60,814.5			
02 07 99	Waste not otherwise specified	3,824.9		68.0	
3	WASTES FROM WOOD PROCESSING AND THE PRODUCTION OF PANELS AND FURNITURE, PULP, PAPER AND CARDBOARD	295,285.8	15,278.8	5,923.0	4,770.5
03 01	Wastes from wood processing and the production of panels and furniture	294,394.1	14,119.7	5,638.2	4,955.7
03 01 01	Waste bark and cork	12,016.3	50.0	2,308.8	3,789.0
03 01 02	Sawdust	45,844.5	8,033.0	696.0	1,213.0
03 01 03	Shaving, cuttings, spoiled timber/particle board/veneer	125,222.3	3,725.4	274.9	447.1
03 01 98	Volatile sawdust	795.2		583.0	
03 01 99	Wastes not otherwise specified	110,515.7	2,311.3	1,775.5	-493.4
03 03	Wastes from pulp, paper and cardboard production and processing	891.7	1,159.1	284.9	-185.2
03 03 03	Bleaching sludges from hypochlorite and chlorine processes	0.1			
03 03 06	Fibre and paper sludge	40.0		40.0	
03 03 07	Mechanically separated rejects from pulping of waste paper and cardboard	821.6	1,159.1	229.9	-180.2
03 03 99	Wastes not otherwise specified	30.0		15.0	-5.0
4	WASTES FROM THE LEATHER, FUR AND TEXTILE INDUSTRIES	2,719.3	492.3	363.9	433.3
04 01	Wastes from the leather and fur industry	341.6	0.0	0.0	295.5
04 01 06	Sludges, in particular from on-site effluent treatment containing chromium	174.0			174.0
04 01 08	Waste tanned leather (blue sheetings, shavings, cuttings, buffing dust) containing chromium	116.0			116.5
04 01 09	Wastes from dressing and finishing	51.6			5.0
04 02	Wastes from the textile industry	2,377.7	492.3	363.9	137.8
04 02 01	Fleshings and lime split waste	1,413.2		19.2	-162.0
04 02 03	Degreasing waste containing solvents without a liquid phase	8.8		8.8	
04 02 05	Tanning liquor free of chromium	797.0	45.2	148.2	98.2
04 02 07	Sludges, in particular from on-site effluent treatment free of chromium		56.1	56.1	
04 02 08	Wastes from processed mixed textile fibres	31.6	99.6	29.8	99.6
04 02 09	Wastes from composite materials (impregnated textile, elastomer, plastomer)	47.0		44.0	
04 02 13	Dye stuffs and pigments	10.0		10.0	
04 02 99	Wastes not otherwise specified	70.1	291.4	47.8	102.0
5	WASTES FROM PETROLEUM REFINING, NATURAL GAS PURIFICATION AND PYROLYTIC TREATMENT OF COAL	631,640.4	1,940.6	10.6	619,546.7
05 01	Wastes from petroleum refining	752.8	1,940.6	8.5	-871.6
05 01 01	Sludges from on-site effluent treatment	20.0			-54.0
05 01 03*	Tank bottom sludges	211.2	123.0	0.5	41.4
05 01 05*	Oil spills		4.0		
05 01 06*	Oily sludges from maintenance operations of the plant or equipment	0.1	1,718.6		
05 01 07*	Acid tars	508.0			89.7
05 01 08*	Other tars		15.0		
05 01 99	Wastes not otherwise specified	13.5	80.0	8.0	-948.7
05 02	Non oily sludges and solid wastes	10.1	0.0	2.1	0.0

Waste code	Review of Estonian waste management in 1999	Waste generation	...taken from others	Disposal in landfills	Disposal in landfills (calculated)
05 02 01	Boiler feedwater sludges	10.1		2.1	
05 06	Waste from the pyrolytic treatment of coal	630,853.3	0.0	0.0	620,398.3
05 06 97	Oil shale semi-coke	624,949.3			619,949.3
05 06 98	Waste from oil shale pitch, "fuses"	5,904.0			449.0
05 06 99	Wastes not otherwise specified	0.0			
05 07	Waste from natural gas purification and transportation	20.0	0.0	0.0	20.0
05 07 02	Wastes containing sulphur	20.0			20.0
05 08	Waste from oil regeneration	4.1	0.0	0.0	0.0
05 08 04	Waste from oil regeneration	4.1			
6	WASTES FROM INORGANIC CHEMICAL PROCESSES	8,163.0	210.4	3.1	2,071.3
06 01	Wastes from the manufacture, formulation, supply and use (MFSU) of acids	4.1	0.7	0.0	-16.3
06 01 01*	Sulphuric acid and sulphurous acid	0.1	0.2		0.2
06 01 02*	Hydrochloric acid		0.0		0.0
06 01 99	Wastes not otherwise specified	4.0	0.5		-16.4
06 02	Wastes from the MFSU of bases	202.0	0.0	0.0	167.2
06 02 01*	Calcium hydroxide	190.0			171.9
06 02 02	Soda (sodium carbonate)	11.9			-2.0
06 02 03*	Ammonium hydroxide				-1.1
06 02 99	Wastes not otherwise specified	0.1			-1.5
06 03	Wastes from the MFSU of salts and their solutions and metallic oxides	1,995.1	29.7	3.1	1,940.8
06 03 01	Carbonates (except 02 04 02)				-1.0
06 03 03	Solid salts containing sulphates, sulphites or sulphides		14.9		11.3
06 03 04	Saline solutions containing chlorides, fluorides and halides	65.0			
06 03 05	Solid salts containing chlorides, fluorides and other halogenated solid salts	1,927.0	0.5		1,924.6
06 03 07	Phosphates and related solid salts		11.2		9.3
06 03 08	Saline solutions containing nitrates and related compounds		0.6		-0.1
06 03 09	Solid salts containing nitrides	3.1		3.1	
06 03 10	Solid salts containing ammonium				-0.2
06 03 99	Wastes not otherwise specified	0.0	2.5		-3.1
06 04	Metal-containing wastes other than those mentioned in 06 03	0.1	2.4	0.0	2.4
06 04 04*	Wastes containing mercury	0.0	0.1		0.1
06 04 05*	Wastes containing other heavy metals	0.1			
06 04 99	Wastes not otherwise specified		2.3		2.3
06 05	Sludges from on-site effluent treatment	5,961.6	0.0	0.0	0.0
06 05 01	Sludges from on-site effluent treatment	5,961.6			
06 12	Waste from production, use and regeneration of catalysts	0.0	177.7	0.0	-23.0
06 12 01	Spent catalysts containing precious metals		177.7		-23.0
06 13	Wastes from inorganic chemical processes not otherwise specified	0.1	0.0	0.0	0.1
06 13 02*	Spent activated carbon (except 06 07 02)	0.1			0.1
7	WASTES FROM ORGANIC CHEMICAL PROCESSES	1,852.5	1,252.9	0.0	1,480.2
07 01	Wastes from the manufacture, formulation, supply and use (MFSU) of basic organic chemicals	1,562.0	1,016.8	0.0	1,240.7
07 01 02	Sludges from on-site treatment of effluent	9.1			9.1

Waste code	Review of Estonian waste management in 1999	Waste generation	...taken from others	Disposal in landfills	Disposal in landfills (calculated)
07 01 03*	Organic halogenated solvents, washing liquids and mother liquors		1.0		-2.0
07 01 04*	Other organic solvents, washing liquids and mother liquors	8.7	14.8		6.7
07 01 07*	Halogenated still bottoms and reaction residues				
07 01 08*	Other still bottoms and reaction residues	1,544.0	1,000.0		1,226.0
07 02	Wastes from the MFSU of plastics, synthetic rubber and man-made fibres	29.8	217.3	0.0	216.1
07 02 01*	Aqueous washing liquids and mother liquors		192.0		192.0
07 02 03*	Organic halogenated solvents, washing liquids and mother liquors		22.3		22.3
07 02 07*	Halogenated still bottoms and reaction residues				-0.9
07 02 08*	Other still bottoms and reaction residues				-0.1
07 02 99	Wastes not otherwise specified	29.8	3.0		2.8
07 03	Wastes from the MFSU of organic dyes and pigments (except 06 11)	16.0	0.4	0.0	16.4
07 03 02	Sludges from on-site treatment of effluent	16.0			16.0
07 03 03*	Organic halogenated solvents, washing liquids and mother liquors		0.4		0.4
07 06	Wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics	244.7	7.6	0.0	-1.4
07 06 02	Sludges from on-site treatment of effluent containing hazardous substances	4.0			
07 06 04*	Other organic solvents, washing liquids and mother liquors	240.7			
07 06 99	Wastes not otherwise specified		7.6		-1.4
07 07	Wastes from the MFSU of fine chemicals and chemical products not otherwise specified	0.0	10.9	0.0	8.4
07 07 04*	Other organic solvents, washing liquids and mother liquors		0.3		0.3
07 07 99	Wastes not otherwise specified		10.6		8.1
8	WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS,) ADHESIVES, SEALANTS AND PRINTING INKS	517.2	491.9	361.1	134.8
08 01	Wastes from MFSU and removal of paint and varnish	33.1	476.1	6.8	21.1
08 01 01	Waste paint and varnish containing halogenated solvents		136.0		
08 01 02	Waste paint and varnish free of halogenated solvents	12.5	110.3	0.6	35.0
08 01 03	Waste from water-based paints and varnishes containing biocides or heavy metals	7.9	6.9		6.0
08 01 04 01	Powder paints containing heavy metal pigments				-0.2
08 01 05	Hardened paints and varnishes	5.8	22.6	0.2	-19.3
08 01 08	Aqueous sludges containing paint or varnish	0.7	10.6		
08 01 08 01	Aqueous sludges containing paint or varnish along with organic solvents, biocides or heavy metals		4.1		1.7
08 01 10	Aqueous suspensions containing paint or varnish		10.6		
08 01 99	Wastes not otherwise specified	6.2	175.1	6.1	-2.2
08 03	Wastes from MFSU of printing inks	4.8	0.9	0.0	4.7
08 03 02	Waste printing ink free of halogenated solvents	4.6	0.7		4.6
08 03 09	Waste printing toner (including cartridges)	0.2	0.1		0.1
08 04	Wastes from MFSU of adhesives and sealants (including waterproofing products)	479.3	14.9	354.3	109.0
08 04 02	Adhesives and sealants free from halogenated solvents		14.3		14.3
08 04 03	Wastes from water-based adhesives and sealants		0.6		0.6
08 04 04	Hardened adhesives and sealants	6.7		5.0	1.6
08 04 07 01	Aqueous sludges containing adhesives and sealants along with dangerous substances	84.5		84.5	
08 04 08	Aqueous liquid waste containing adhesives and sealants	0.8		0.8	

Waste code	Review of Estonian waste management in 1999	Waste generation	...taken from others	Disposal in landfills	Disposal in landfills (calculated)
08 04 99	Wastes not otherwise specified	387.3		264.0	92.5
9	WASTES FROM THE PHOTOGRAPHIC INDUSTRY	5.0	34.6	0.0	-1.4
09 01	Wastes for the photographic industry	5.0	34.6	0.0	-1.4
09 01 04*	Fixed solutions	1.5	24.8		
09 01 06*	Wastes containing silver from on-site treatment of photographic wastes	1.6			
09 01 07	Photographic film and paper containing silver or silver compounds	1.8	9.5		-1.6
09 01 08	Photographic film and paper free of silver or silver compounds		0.3		0.3
10	WASTES FROM THERMAL PROCESSES	5,106,424.9	2,032.2	16,032.5	4,909,100.3
10 01	Wastes from power stations and other combustion plants (except 19)	4,973,196.3	501.2	11,590.1	4,850,857.1
10 01 01	Bottom ash, slag and boiler dust (excluding boiler dust mentioned in 10 01 04)	1,580.2	340.2	340.9	-2,786.1
10 01 01 01	Mineral coal bottom ash	187.9		4.6	0.5
10 01 01 02	Peat bottom ash	17.0	41.0		41.0
10 01 01 03	Wood bottom ash	1,218.2		359.6	114.0
10 01 01 04	Oil shale bottom ash	4,781,948.2			4,676,652.2
10 01 01 05	Bottom ash from heavy fuel oil combustion	1.8		1.6	
10 01 03	Fly ash from peat and untreated wood	387.8	120.0	182.8	115.0
10 01 04*	Oil fly ash and boiler dust	8.0		8.0	
10 01 05	Calcium-based reaction wastes from flue-gas desulphurisation in solid form	400.0			400.0
10 01 07	Calcium-based reaction wastes from flue-gas desulphurisation in sludge form	156.0			156.0
10 01 08	Other sludges from gas treatment	0.1			
10 01 11 01	Aqueous sludges from the cleansing of heavy fuel oil boilers	3.8			
10 01 98*	Oil shale fly ash	181,329.5		5,379.5	175,950.0
10 01 99	Wastes not otherwise specified	5,957.7		5,313.1	214.5
10 02	Wastes from the iron and steel industry	502.0	0.0	0.0	-5.0
10 02 99	Wastes not otherwise specified	502.0			-5.0
10 08	Wastes from other non-ferrous thermal metallurgy	234.6	0.0	0.0	234.6
10 08 02	Dross and skimmings (first and second smelting)	234.6			234.6
10 09	Wastes from casting of ferrous pieces	3,171.0	95.0	2,982.1	165.0
10 09 02	Casting cores and moulds containing organic binders which have undergone pouring	1,521.0		1,521.0	
10 09 03	Furnace slag	247.0	95.0	237.0	95.0
10 09 04	Furnace dust	972.0		972.0	
10 09 99	Wastes not otherwise specified	431.0		252.1	70.0
10 10	Wastes from casting of non-ferrous pieces	130.0	1,370.0	1,410.0	90.0
10 10 03	Furnace slag	130.0	1,370.0	1,410.0	90.0
10 11	Wastes from manufacture of glass and glass products	141.3	65.0	36.3	50.7
10 11 02	Waste glass	141.3	65.0	36.3	50.7
10 12	Wastes from manufacture of ceramic goods, bricks, tiles and construction products	9,104.0	0.0	3.0	880.0
10 12 03	Particulates and dust	8,042.0		3.0	
10 12 99	Wastes not otherwise specified	1,062.0			880.0
10 13	Wastes from manufacture of cement, lime and plaster and articles and products made from them	119,945.7	1.0	11.0	56,827.9
10 13 01	Waste preparation mixture before thermal processing	181.0			181.0
10 13 03	Waste from other cement-based composite materials	18.0			18.0

Waste code	Review of Estonian waste management in 1999	Waste generation	...taken from others	Disposal in landfills	Disposal in landfills (calculated)
10 13 04	Wastes from calcination and hydration of lime	17,141.5	1.0	1.0	17,087.0
10 13 05	Solid waste from gas treatment	100,073.3			37,020.0
10 13 06	Particulates and dust (except 10 13 12 and 10 13 13)	2,521.9			2,521.9
10 13 99	Wastes not otherwise specified	10.0		10.0	
11	WASTES FROM CHEMICAL SURFACE TREATMENT AND COATING OF METALS AND OTHER MATERIALS; NON-FERROUS HYDRO-METALLURGY	1,407.0	85.1	0.0	749.8
11 01	Wastes from chemical surface treatment and coating of metals and other materials (for example galvanic processes, zinc coating processes, pickling processes, etching, phosphating, alkaline degreasing, anodising)	786.7	83.8	0.0	129.6
11 01 01	Cyanidic (alkaline) waste containing heavy metals other than chromium	2.1			2.1
11 01 03	Cyanide-free waste containing chromium	42.1	71.4		113.3
11 01 05*	Pickling acids	0.0			0.0
11 01 06*	Acids not otherwise specified		11.1		11.1
11 01 98*	Other wastes containing dangerous substances	742.5	1.4		3.1
11 04	Other metal-containing waste not otherwise specified on the list	620.3	1.3	0.0	620.3
11 04 01 01	Other metal-containing waste not otherwise specified on the list containing dangerous substances	620.3	1.3		620.3
12	WASTES FROM SHAPING AND PHYSICAL AND MECHANICAL SURFACE TREATMENT OF METALS AND PLASTICS	4,660.7	227.0	348.1	60.0
12 01	Wastes from shaping and physical and mechanical surface treatment of metals and plastics	4,631.9	224.7	348.1	58.7
12 01 01	Ferrous metal filings and turnings	1,744.3	5.0	0.8	42.8
12 01 02	Ferrous metal dust and particles	1,821.3	188.0	188.0	-8.8
12 01 03	Non-ferrous metal filings and turnings	39.7	31.0	5.6	23.8
12 01 04	Non-ferrous metal dust and particles	12.8	0.7		2.0
12 01 07*	Mineral-based machining oils free of halogens (except emulsions and solutions)	0.7			
12 01 08*	Machining emulsions and solutions containing halogens	3.0			
12 01 09*	Machining emulsions and solutions free of halogens	0.2		0.2	
12 01 10*	Synthetic machining oils	1.6			1.6
12 01 13	Welding wastes	1.1		1.1	
12 01 99	Wastes not otherwise specified	1,007.3		152.5	-2.7
12 02	Waste from mechanical surface treatment processes (blasting, grinding, honing, lapping, polishing)	20.8	2.3	0.0	1.3
12 02 01	Spent blasting grit containing dangerous substances	20.0			
12 02 02	Oil-containing sludges from grinding, honing and lapping	0.7			
12 02 02 01	Oil-containing sludges from grinding, honing and lapping		0.7		-0.4
12 02 03	Oil-containing polishing sludges		1.6		1.6
12 02 99	Wastes not otherwise specified	0.1			0.1
12 03	Wastes from water and steam degreasing processes (except 11)	8.0	0.0	0.0	0.0
12 03 01*	Aqueous washing liquids	8.0			
13	OIL WASTES AND WASTES OF LIQUID FUELS (except edible oils, and those in chapters 05, 12 and 19)	7,722.1	12,783.1	38.0	-50.2
13 01	Waste hydraulic oils	57.1	54.9	0.0	-21.0
13 01 03	Non-chlorinated hydraulic oils (not emulsions)		6.4		

Waste code	Review of Estonian waste management in 1999	Waste generation	...taken from others	Disposal in landfills	Disposal in landfills (calculated)
13 01 05*	Non-chlorinated emulsions	0.6			
13 01 06	Hydraulic oils containing only mineral oils	9.0	48.5		-3.6
13 01 07	Other hydraulic oils	47.5			-17.4
13 02	Waste engine, gear and lubricating oils	297.4	1,852.6	0.0	-92.8
13 02 02	Non-chlorinated engine, gear and lubricating oils	14.8	60.2		-0.6
13 02 03	Other engine, gear and lubricating oils	282.6	1,792.4		-92.2
13 03	Waste insulating and heat transmission oils	18.7	18.3	0.0	7.4
13 03 04	Non-chlorinated insulation and heat transmission oils and other liquids	6.5			
13 03 05	Synthetic insulation and heat transmission oils and other liquids	12.2	18.3		7.4
13 04	Bilge oils	615.0	8,909.3	0.0	-300.4
13 04 02*	Bilge oils from jetty sewers	601.5	8,904.5		-300.0
13 04 03*	Bilge oils from other navigation	13.5	4.8		-0.4
13 05	Oil/water separator contents	533.9	1,946.7	6.0	29.2
13 05 01*	Solids from grit chambers and oil/water separators	0.3	521.1		0.0
13 05 02*	Sludges from oil/water separators	338.5		6.0	-6.0
13 05 03*	Interceptor sludges	3.7	107.6		
13 05 05	Other emulsions	191.4	1,317.9		35.3
13 06	Oil waste not otherwise specified on the list	6,200.0	1.3	32.0	327.4
13 06 01	Oil waste not otherwise specified on the list	6,200.0	1.3	32.0	327.4
14	WASTE ORGANIC SOLVENTS, REFRIGERANTS AND PROPELLANTS (except 07 and 08)	47.3	197.2	0.0	19.5
14 01	Waste from metal degreasing and machinery maintenance	10.4	40.6	0.0	12.8
14 01 02	Other halogenated solvents and solvent mixes	8.0			8.0
14 01 05	Aqueous solvent mixes free of halogens	2.4	40.6		4.8
14 02	Waste from textile cleaning and degreasing of natural products	0.1	139.3	0.0	4.2
14 02 01	Halogenated solvents and solvent mixes		4.9		4.2
14 02 02	Solvent mixes or organic liquids free of halogenated solvents		134.4		
14 02 03	Sludges or solid waste containing halogenated solvents	0.1			0.1
14 03	Waste from electronic industry	13.2	0.2	0.0	0.2
14 03 03	Solvents and solvent mixes free of halogenated solvents	13.2	0.2		0.2
14 04	Waste from coolants and foam/aerosol propellants	0.0	1.0	0.0	1.0
14 04 03	Other solvents or solvent mixes		1.0		1.0
14 05	Waste from solvent and coolant recovery (still bottoms)	23.7	16.0	0.0	1.2
14 05 03	Other solvents and solvent mixes	23.7	16.0		1.2
15	WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED	6,236.5	6,771.6	1,841.4	-7,544.3
15 01	Packaging (including separately collected municipal packaging waste)	1,757.4	4,378.1	376.4	1,961.0
15 01 01	Paper and cardboard packaging	1,264.6	1,992.3	35.3	325.8
15 01 01 01	Paper and cardboard packaging containing residues of dangerous substances	44.0	1.9		1.9
15 01 02	Plastic packaging	109.0	2,274.0	9.6	1,732.7
15 01 02 01	Plastic packaging containing residues of dangerous substances	15.8			0.0
15 01 03	Wooden packaging	0.3			
15 01 04	Metallic packaging	21.5	1.6	0.0	-47.5

Waste code	Review of Estonian waste management in 1999	Waste generation	...taken from others	Disposal in landfills	Disposal in landfills (calculated)
15 01 04 01	Metal packaging containing residues of dangerous substances	0.8	32.3		3.5
15 01 05	Composite packaging		75.0		
15 01 06	Mixed packaging	270.0		330.0	-60.0
15 01 06 01	Mixed packaging containing residues of dangerous substances	31.4	1.0	1.5	4.5
15 02	Absorbents, filter materials, wiping cloths and protective clothing	4,479.1	2,393.6	1,465.0	-9,505.3
15 02 01	Absorbents, wiping cloths, filter materials and protective clothing containing residues	8.8	25.0	2.5	-0.5
15 02 01 01	Absorbents, wiping cloths, filter materials and protective clothing containing residues of dangerous materials	4,470.3	2,368.5	1,462.5	-9,504.8
16	WASTES NOT OTHERWISE SPECIFIED IN THE LIST	1,274.2	14,667.7	43.6	7,541.1
16 01	End-of-life vehicles from different means of transport (including off-road machinery) and wastes from dismantling of end-of-life vehicles and vehicle maintenance (except 13, 14, 16 06 and 16 08)	742.8	6,569.0	31.6	6,538.2
16 01 03	End-of-life tyres	261.9	1,139.0	31.6	1,110.8
16 01 04*	End-of-life vehicles	341.1			-4.6
16 01 05	Light fraction from automobile shredding	0.07	5,430.0		5,430.1
16 01 98	Liquid waste removed from vehicles	0.2			
16 01 99	Wastes not otherwise specified	139.5		0.0	2.0
16 02	Wastes from electrical and electronic equipment	259.3	3.5	12.0	2.9
16 02 02	Other discarded electronic equipment (e.g. printed circuit boards)	13.4	2.5		3.9
16 02 05	Other discarded equipment	210.5			
16 02 06	Wastes from asbestos processing industry	0.1		0.1	
16 02 07	Waste from plastics converter industry	35.3		11.9	-2.0
16 02 98	Discarded equipment and devices containing PCBs, PCTs or other hazardous substances		1.1		1.1
16 05	Gases in pressure containers and discarded chemicals	1.7	0.0	0.0	-4.7
16 05 03	Other waste containing organic chemicals, e.g. lab chemicals not otherwise specified	1.7			-3.1
16 06	Batteries and accumulators	126.1	6,946.3	0.0	1,120.4
16 06 01*	Lead batteries	115.6	6,822.3		1,050.5
16 06 02*	Ni-Cd batteries	6.1	20.7		16.3
16 06 04	Alkaline batteries (except 16 06 03)	0.0	0.3		0.2
16 06 05	Other batteries and accumulators	4.0	72.6		49.7
16 06 06*	Separately collected electrolyte from batteries and accumulators	0.4	30.4		3.7
16 07	Wastes from transport tank, storage tank and barrel cleaning (except 05 and 13)	144.3	1,148.9	0.0	-115.8
16 07 04	Chemicals-containing waste from rail and road transport tank cleaning	93.6			93.6
16 07 06	Oil-containing waste from storage tank cleaning	49.5	918.9		-209.4
16 07 99	Wastes not otherwise specified	1.2	230.0		
17	CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	128,630.1	735,700.9	103,692.1	196,576.7
17 01	Concrete, bricks, tiles and ceramics	57,519.4	30,761.0	6,197.7	49,264.5
17 01 01	Concrete	56,059.2	27,509.0	5,174.2	48,600.0
17 01 02	Bricks	1,443.3	3,252.0	1,023.5	659.5
17 01 03	Tiles and ceramics	8.0			
17 01 04	Gypsum-based construction materials	9.0			5.0
17 02	Wood, glass and plastic	8,539.6	3,912.6	163.9	11,821.6

Waste code	Review of Estonian waste management in 1999	Waste generation	...taken from others	Disposal in landfills	Disposal in landfills (calculated)
17 02 01	Wood	8,366.0	3,750.6	133.4	11,733.6
17 02 01 01	Wood impregnated or contaminated with dangerous substances	0.9			
17 02 02	Glass	167.0	160.5	30.5	88.0
17 02 03	Plastic	5.8	1.5		
17 03	Bituminous mixtures, coal tar and tarred products	130.7	313.4	441.9	0.0
17 03 01*	Bituminous mixtures containing coal tar	108.0		108.0	
17 03 03*	Coal tar and tarred products	1.8	0.4		
17 03 97	Black road cover containing tar		313.0	313.0	
17 03 98	Black road cover not containing tar	20.9		20.9	
17 04	Metals (including their alloys)	20,595.0	489,610.5	6,231.4	5,140.5
17 04 01	Copper, bronze, brass	29.6	11,381.0	40.4	1,273.2
17 04 02	Aluminium	1.9			-0.2
17 04 03	Lead		12.5		
17 04 05	Iron and steel	16,926.3	474,955.0	6,191.0	3,866.9
17 04 06	Tin	24.2			
17 04 07	Mixed metals	3,602.8	3,262.0		0.6
17 04 08	Cables	10.3			
17 05	Soil (including excavated soil from contaminated sites), stones and dredging spoil	1,660.6	103,682.3	6,030.0	88,455.0
17 05 01	Soil and stones	10.0	89,605.0	10.0	89,605.0
17 05 01 01	Soil and stones containing dangerous substances	0.6	20.0	20.0	
17 05 02	Dredging spoil	700.0	6,013.3	6,000.0	50.0
17 05 02 01	Dredging spoil containing dangerous materials	950.0	8,044.0		-1,200.0
17 06	Insulation materials and asbestos-containing construction materials	6,215.9	0.0	1.0	6,214.4
17 06 01*	Insulation materials containing asbestos	1.4		1.0	0.4
17 06 02	Other insulation materials	6,214.5			6,214.0
17 07	Mixed construction and demolition waste	33,968.9	107,421.1	84,626.3	35,680.8
17 07 01	Mixed construction and demolition waste	33,968.9	107,421.1	84,626.3	35,680.8
18	WASTES FROM HUMAN OR ANIMAL HEALTH CARE AND/OR RELATED RESEARCH (except kitchen and restaurant wastes not arising from immediate health care)	772.2	122.3	545.8	38.5
18 01	Wastes from natal care, diagnosis, treatment or prevention of disease in humans	754.0	121.8	545.4	20.5
18 01 01	Sharps (except 18 01 03)	0.4	0.1	0.2	0.0
18 01 01 01	Sharps whose collection and disposal is subject to special requirements in view of infection prevention	0.6	0.9	0.0	0.0
18 01 02	Body parts and organs including blood bags and blood preserves (except 18 01 03)	2.4	0.0		
18 01 02 01	Body parts and organs, blood bags, blood preserves and blood components whose collection and disposal is subject to special requirements in view of infection prevention	51.6			
18 01 03*	Wastes whose collection and disposal is subject to special requirements in order to prevent infection	242.0	0.2	1.1	0.2
18 01 04	Wastes whose collection and disposal is not subject to special requirements in order to prevent infection (for example dressings, plaster casts, linen, disposable clothing, diapers)	66.6	92.9	148.1	7.9
18 01 05	Discarded chemicals and medicines	4.1	27.7	12.0	12.4
18 01 98*	Amalgam waste				0.0
18 01 99	Wastes not otherwise specified in the list	386.4		384.0	
18 02	Wastes from research, diagnosis, treatment or prevention of disease involving animals	18.2	0.5	0.4	18.0

Waste code	Review of Estonian waste management in 1999	Waste generation	...taken from others	Disposal in landfills	Disposal in landfills (calculated)
18 02 01	Sharps except (18 02 02)				
18 02 01 01	Sharps whose collection and disposal is subject to special requirements in view of infection prevention	0.0			0.0
18 02 02*	Wastes whose collection and disposal is subject to special requirements in order to prevent infection	0.0			0.0
18 02 03	Wastes whose collection and disposal is not subject to special requirements in order to prevent infection	18.0			18.0
18 02 04	Discarded chemicals and medicines	0.2	0.5	0.4	
19	WASTES FROM WASTE MANAGEMENT FACILITIES, OFF-SITE WASTE WATER TREATMENT PLANTS AND THE PREPARATION OF WATER INTENDED FOR HUMAN CONSUMPTION AND WATER FOR INDUSTRIAL USE	372,232.1	90,767.4	207,733.7	30,697.7
19 03	Stabilised/solidified wastes (19)	3,561.0	82,010.0	41,806.0	43,765.0
19 03 03	Biologically treated waste	6.0	82,010.0	41,806.0	40,210.0
19 03 03 01	Biologically treated waste containing dangerous substances	3,555.0			3,555.0
19 04	Vitrified waste and wastes from vitrification	50.2	0.0	50.2	0.0
19 04 01	Vitrified waste	50.2		50.2	
19 08	Wastes from waste water treatment plants not otherwise specified	367,438.2	7,647.4	164,766.9	-14,177.1
19 08 01	Screenings	2,188.4		432.9	
19 08 02	Waste from desanding	440.0		32.0	2.0
19 08 02 01	Waste from desanding, containing dangerous substances	24.5		4.5	
19 08 03	Grease and oil mixture from oil/waste water separation	2.0			2.0
19 08 04	Sludges from treatment of industrial waste water	172,038.0		25.0	-14,886.0
19 08 04 01	Sludges from treatment of industrial waste water, containing dangerous substances	79.5			79.5
19 08 05	Sludges from treatment of urban waste water	25,940.0	7,409.0	1,522.6	2,184.5
19 08 99	Wastes not otherwise specified	166,725.8	238.4	162,749.9	-1,559.0
19 09	Wastes from the preparation of water intended for human consumption or water for industrial use	1,110.6	1,110.0	1,110.6	1,110.0
19 09 02	Sludges from water clarification	1,109.9	1,110.0	1,109.9	1,110.0
19 09 99	Wastes not otherwise specified	0.7		0.7	
19 98	Waste from incineration, pyrolysis or other thermal treatment of hazardous waste	72.1	0.0	0.0	-0.3
19 98 01	Bottom ash and slag	2.0			-0.3
19 98 03	Fly ash	0.1			0.1
19 98 99	Wastes not otherwise specified in the list	70.0			
20	MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	85,136.4	631,639.3	287,987.6	335,733.1
20 01	Separately collected fractions (except 15 01)	11,110.1	19,415.2	448.3	-229.4
20 01 01	Paper and cardboard	1,867.7	8,529.4	239.4	-1,213.0
20 01 02	Glass	252.5	10,091.8	34.6	0.9
20 01 03	Mixed flexible plastic	3.4	179.8		60.9
20 01 04	Other plastic waste	154.0	101.2		27.0
20 01 05	Ferrous metal	0.5	33.3		-2.5
20 01 06	Other metal	83.9	248.1		25.1
20 01 07	Wood	8,420.9	91.0	150.2	835.0
20 01 07 01	Hazardous substance containing wood	0.2	0.9		

Waste code	Review of Estonian waste management in 1999	Waste generation	...taken from others	Disposal in landfills	Disposal in landfills (calculated)
20 01 08	Biodegradable kitchen and canteen waste	0.4			
20 01 09	Oil and fat	136.8			-3.0
20 01 09 01	Oil and fat, excluding edible oil and fat	25.5	3.6	22.0	-0.5
20 01 11	Textiles	83.1		0.1	14.1
20 01 12	Paints, ink, pastes and resins	28.9	44.2	2.0	3.3
20 01 13*	Solvents		0.1		
20 01 14*	Acids	0.1	3.0		0.4
20 01 15*	Alkalines	4.3	0.4		-1.9
20 01 17*	Photochemicals		1.1		
20 01 18	Medicines	0.0	4.5		1.2
20 01 19*	Pesticides		1.1		1.0
20 01 20	Batteries and accumulators	1.4	13.1		1.6
20 01 20 01	Batteries and accumulators	0.2	2.4		1.5
20 01 21*	Fluorescent tubes and other mercury-containing waste	46.1	66.4		19.4
20 01 24	Electronic equipment	0.2			
20 02	Garden and park wastes (including cemetery waste)	3,306.7	1,772.0	3,182.0	-100.0
20 02 01	Biodegradable waste	3,306.7	1,772.0	3,182.0	-100.0
20 03	Other municipal wastes	70,719.6	610,452.1	284,357.3	336,062.4
20 03 01	Mixed municipal waste	60,389.6	564,264.7	272,190.4	323,623.3
20 03 03	Street-cleaning residues	7,426.6	4,429.8	1,422.1	6,155.4
20 03 04	Septic tank sludge	2,903.2	41,757.6	10,744.8	6,283.8
20 03 05 01	End of life vehicles from which hazardous waste (fuel, oil, accumulators, coolants, etc.) have not been removed	0.2			
	Total	10,848,080.5	1,637,856.1	648,763.1	8,587,983.9

See also 'Review of Estonian waste management ...

in 2000 – <http://www.keskkonnainfo.ee/failid/jaatmed/jaatmed00.pdf>

in 2001 – http://www.keskkonnainfo.ee/failid/jaatmed/ylevaade_tabelid.pdf

in 2002 – <http://www.keskkonnainfo.ee/failid/jaatmed/jaatmed2002ok.pdf>

in 2003 – http://www.keskkonnainfo.ee/failid/jaatmed/toimetis_2003_v02.pdf

in 2004 – <http://www.keskkonnainfo.ee/jaatmed/aruanded/tabelid>

in 2005 – <http://www.keskkonnainfo.ee/jaatmed/aruanded/tabelid05/>

in 2006 – <http://www.keskkonnainfo.ee/jaatmed/aruanded/tabelid06/>

Annex 7_III. Waste recovery and destruction in Estonia in 1995–2006

Table 7_III.1. Waste recovery and destruction in Estonia in 1995, tonnes

	Glass	Inert	Leather	Rubber	Petroleum-products, Oils and Solvents	Organic	Paper	Plastic	Sludge	Textile	Wood	Clinical	Mixed Municipal	Total
R1		1,674	0	12	862	14,624	31	1	70	18	40,005	108	35	57,442
R2		10			104									114
R3		394		1	60	4,847	471	15	127	366	3,558		1	9,840
R4		482												482
R5	5,038	1,898,277			14					27				1,903,360
R6					1									1
R7		272			2,000	1,508								3,780
R8					1									1
R9		24			252									277
R10		10,737		1	27	226,654	24		134,542		2,369		3,493	377,847
Σ	5,038	1,911,870	0	14	3,321	247,633	526	16	134,739	411	45,932	108	3,529	2,353,144
D1	962	10,048,136		373	858	48,706	619	849	16,666	31	7,607	20	452,547	10,577,375
D2		1,546				3,916			1		400		15	5,878
D4		16,909			172	3,923	166		5,598					26,767
D5		70	244	3	1,751				539		26		4,698	7,331
D6					7,039	60			127					7,227
D9	41	13			19	4			70,950					71,027
D10		41	1	14	292	15	389	5	2	61	17,237	5	23	18,084
D15	12	84		22	63	1	37	3	10,380	83			1	10,686
Σ	1,015	10,066,799	245	412	10,194	56,625	1,211	857	104,263	175	25,270	25	457,284	10,724,375

Table 7_III.2. Waste recovery and destruction in Estonia in 1996, tonnes

	Glass	Inert	Leather	Rubber	Petroleum- products, Oils and Solvents	Organic	Paper	Plastic	Sludge	Textile	Wood	Clinical	Mixed Municipal	Total
R1		1,315		5	431	29	33		60	35	53,326	5	6	55,245
R2					32									32
R3		2,221		3	30	30,481	846	129		59	133			33,902
R4		672						1						673
R5	2,264	608,462									400			611,126
R6					34									34
R7					168	2,628								2,795
R8		6												6
R9		37			305									342
R10		26,890			3,053	633,608			153,382		3,756		995	821,684
Σ	2,264	639,603	0	8	4,053	666,746	879	130	153,442	94	57,615	5	1,001	1,525,839
D1	391	10,542,355	196	190	6,166	64,013	313	839	158,861	658	16,185	2,269	513,183	11,305,620
D6					1									1
D9	42	103			4				1,611					1,761
D10		2,023,367		2	149	24	35	4		25	22,445	2	14	2,046,066
Σ	433	12,565,825	196	192	6,320	64,037	348	843	160,472	683	38,630	2,271	513,197	13,353,448

Table 7_III.3. Waste recovery and destruction in Estonia in 1997, tonnes

	Glass	Inert	Leather	Rubber	Petroleum- products, Oils and Solvents	Organic	Paper	Plastic	Sludge	Textile	Wood	Clinical	Mixed Municipal	Total
R1		723		1	980	45	77		60	28	107,311	2	14	109,242
R2					55									55
R3		17,462		11	3,113	62,341	890	17	102	72	1,993			86,001
R4		530						7						538
R5	4,456	541,698		125										546,280
R6					55									55
R7						1,768								1,768
R8		11												11
R9					664									664
R10	280	69,007		1	1,990	359,882			108,813		2,321		1,251	543,546
Σ	4,736	629,431	0	138	6,857	424,036	967	24	108,975	100	111,625	2	1,265	1,288,160
D1	646	11,096,138	309	839	4,343	58,031	3,958	1,761	108,124	657	15,425	550	646,327	11,937,108
D6		14			654									668
D9	65	3			10				6,250					6,328
D10		1,725,891		4	90	55	40	12		2	276	1	2	1,726,374
Σ	711	12,822,046	309	843	5,097	58,086	3,998	1,773	114,374	659	15,701	551	646,329	13,670,478

Table 7_III.4. Waste recovery and destruction in Estonia in 1998, tonnes

	Glass	Inert	Leather	Rubber	Petroleum- products, Oils and Solvents	Organic	Paper	Plastic	Sludge	Textile	Wood	Clinical	Mixed Municipal	Total
R1		176		3	1,042	15	48		40	5	102,632	8	5	103,975
R2					26									26
R3		9,763		61	617	4,340	565	32	78	80	1,494			17,030
R4		493						4						496
R5	2,748	1,113		2										3,863
R6		1			76									77
R8		6												6
R9					1,104									1,104
R10	150	1,561,937	1		205	362,637			163,341		1,419		1,144	2,090,834
Σ	2,898	1,573,489	1	66	3,070	366,992	613	36	163,459	85	105,545	8	1,149	2,217,411
D1	554	9,792,096	319	984	4,124	40,906	4,648	1,709	58,578	476	17,577	200	553,402	10,475,573
D6		31			478									509
D9	51	98			49	4,000			6,321					10,519
D10		41		5	135	14	7	19			90		8	319
Σ	605	9,792,266	319	989	4,786	44,920	4,655	1,728	64,899	476	17,667	200	553,410	10,486,920

Table 7_III.5. Waste recovery and destruction in Estonia in 1999, tonnes

	Glass	Inert	Leather	Rubber	Petroleum-products, Oils and Solvents	Organic	Paper	Plastic	Sludge	Textile	Wood	Clinical	Garden	Mixed Municipal	Municipal Paper	Municipal Plastic	Municipal Textile	Municipal Wood	Municipal Inert	Total
R1		13,617			707	149	48	9	41		97,026	3			4			5,307	1	116,912
R2		25																		25
R3		5,731			11	4,719	600		220	319	3,480		1,507			29				16,616
R4		531																		531
R5	8,403	44,013			1						8									52,425
R6		1																		1
R9		6,006			8,841															14,847
R10		710,493				249,193			174,327		582		375	72						1,135,041
Σ	8,403	780,417	0	0	9,560	254,061	648	9	174,588	319	101,096	3	1,882	72	4	29	0	5,307	1	1,336,398
D1	234	8,444,602	117	192	105	84,058	842	1,734	23,245	362	20,221	553	3,182	602,523	249			885	2	9,183,106
D6																				
D9		184			2,006				4,781			4							4	6,979
D10		8,160			145		16	10			4,642	3						1	1	12,979
Σ	234	8,452,946	117	192	2,256	84,058	858	1,744	28,026	362	24,863	560	3,182	602,523	249	0	0	886	7	9,203,064

Table 7_III.6. Waste recovery and destruction in Estonia in 2000, tonnes

	Glass	Inert	Leather	Rubber	Petroleum- products, Oils and Solvents	Organic	Paper	Plastic	Sludge	Textile	Wood	Clinical	Garden	Mixed Municipal	Municipal Paper	Municipal Plastic	Municipal Textile	Municipal Wood	Municipal Inert	Total
R1	1,139				888	94	383	30	792		151,574	2		2	116			12	1	155,034
R2		22																		22
R3		10,986			792	20,298	830		120	419	3,277		1,775							38,497
R4		1,184																		1,184
R5	7,080	120,414			202	1		12	5											127,714
R6																				
R9		7,519			12,277				574											20,370
R10		795,477			170	135,985			278,846		567	420	439	854						1,212,758
R11									3,188											3,188
R13					864															864
Σ	8,219	935,602	0	0	15,193	156,378	1,213	42	283,525	419	155,418	422	2,214	856	116	0	0	12	1	1,559,631
D1	14	9,019,868	74	192	141	16,527	328	59	8,963	762	5,270	48	419	400,177	10	5		35		9,452,892
D6												2							1	3
D9		941			860				4,604			2								6,407
D14				2								1							9	11
D10		8,420			2	41		5			815	6		3	2				6	9,301
Σ	14	9,029,229	74	194	1,003	16,568	328	64	13,567	762	6,085	59	419	400,180	12	5	0	35	16	9,468,614

Table 7_III.7. Waste recovery and destruction in Estonia in 2001, tonnes

	Glass	Inert	Leather	Rubber	Petroleum- products, Oils and Solvents	Organic	Paper	Plastic	Sludge	Textile	Wood	Clinical	Garden	Mixed Municipal	Municipal Paper	Municipal Plastic	Municipal Textile	Municipal Wood	Municipal Inert	Total
R1		12,549			1,304	94	7	21	20		168,639		1	2	467			1		183,104
R2					1															1
R3		2,187			782	18,609	230		12,168		2,498		1,632		545					38,650
R4		63,837			10														1	63,848
R5	8,598	639,841			641	1,007		1,429			2								11	651,528
R9		8,463			2,781	196			1,551											12,991
R10		456,771			140	200,589			190,515		1,815	1	200							850,029
R11									3,497			300								3,797
R13						824	9													833
Σ	8,598	1,183,648	0	0	5,659	221,319	246	1,450	207,751	0	172,954	301	1,833	2	1,012	0	0	1	12	1,804,781
D1	15	8,958,223	117	192	1,091	26,464	514	308	6,470	241	16,121	36	169	399,072		1			1	9,409,035
D2		160			1				10		9									180
D4		101,322			43	726			1,727			270								104,087
D5		1,023						1	2			12							138	1,177
D6												2								2
D9		23,078			7,819				2,888			101							30	33,916
D10		433			2	12			13		3	7	470		19				3	961
D13																			1	1
D14		67			9						48	17								141
Σ	15	9,084,306	117	192	8,965	27,202	514	309	11,110	241	16,181	445	639	399,072	19	1	0	0	173	9,549,500

Table 7_III.8. Waste recovery and destruction in Estonia in 2002, tonnes

	Glass	Inert	Leather	Rubber	Petroleum-products, Oils and Solvents	Organic	Paper	Plastic	Sludge	Textile	Wood	Clinical	Garden	Mixed Municipal	Municipal Paper	Municipal Plastic	Municipal Textile	Municipal Wood	Municipal Inert	Total
R1		31,510			3,400	246	9	19	762	12	159,071					133		15	89	195,265
R2		1																		1
R3		42,403			1	19,712	48	11	6,104	54	71,109	307	1,280		646					141,674
R4		74,284			31	1				7										74,324
R5	8,505	670,696			408	30		1,886	38					15						681,578
R9		250			18,618	1			458											19,326
R10	224	1,090,299			74	237,502			175,466		3,922		17	30						1,507,533
R11						650						250								900
R12																				
R13					1,562									4						1,567
Σ	8,729	1,909,443	0	0	24,094	258,142	57	1,916	182,828	73	234,102	557	1,297	49	646	133	0	15	89	2,622,168
D1	252	10,035,592	60	48		3,193	128	290	3,175	367	4,777	50	57	416,826	138	20	5	5		10,464,982
D2		65							14											79
D3																				
D4		40,707			44				1,314			301								42,365
D5																				
D8									122				15							137
D9		751			63,525	1,215			6,498	135	272	9							1	71,999
D10		125			124	15						15			10					696
D13		10										20							1	31
D14		277			314					165		4							74	834
D15																				
Σ	252	10,077,527	60	48	64,007	4,423	128	290	11,123	667	5,049	399	72	416,826	148	20	5	5	76	10,581,123

Table 7_III.9. Waste recovery and destruction in Estonia in 2003, tonnes

	Glass	Inert	Leather	Rubber	Petroleum-products, Oils and Solvents	Organic	Paper	Plastic	Sludge	Textile	Wood	Clinical	Garden	Mixed Municipal	Municipal Paper	Municipal Plastic	Municipal Textile	Municipal Wood	Municipal Inert	Total
R1		48,401			4,961	4,277	590	38	30	9	239,399	1		6	7			22	68	297,808
R2						19														19
R3		692,046			1,687	125,846		193	35,904	83	128,239	420	4,659	84	2,988	21		100		992,269
R4		85,356			41					25	1								5	85,427
R5	11,300	701,225				34		2,285			172			23						715,039
R9		43			13,207	10													1	13,261
R10	157	1,524,578				296,653			237,305		4,471	4	150	25						2,063,342
R11						589			2,620											3,209
R12								2												2
R13		1,932			183				12,255					61,783	44				9	76,204
Σ	11,457	3,053,581	0	0	20,079	427,428	590	2,518	288,114	117	372,282	425	4,809	61,921	3,039	21	0	122	83	4,246,580
D1	433	12,150,144				3,956	403	628	2,797	866	15,554	237	821	368,287	463	276	235		12	12,545,112
D2		245				105														350
D3																				
D4		40,506			25				875			278								41,683
D5						8														8
D8									620											620
D9		1,406			48,829	6,261			4,661			7							5	61,169
D10		86			203	3			1	130	122	19			3					566
D13																				
D14		61			1					30		2							50	144
D15																				
Σ	433	12,192,448	0	0	49,058	10,333	403	628	8,954	1,026	15,676	543	821	368,287	466	276	235	0	67	12,649,652

Table 7_III.10. Waste recovery and destruction in Estonia in 2004, tonnes

	Glass	Inert	Leather	Rubber	Petroleum-products, Oils and Solvents	Organic	Paper	Plastic	Sludge	Textile	Wood	Clinical	Garden	Mixed Municipal	Municipal Paper	Municipal Plastic	Municipal Textile	Municipal Wood	Municipal Inert	Total
R1		37,782		4	6,147	7,430	567	20	80	6	215,767	1			7			24	39	267,874
R2																			1	1
R3	1	252,074				106,222		3,526	55,062	344	229,993		4,377	3,752	3,657	8			3	659,015
R4		9,296								7									54	9,307
R5	15,856	1,082,478			1	135		92	975		3,857	135		101						1,103,684
R9		9			361															370
R10	433	1,480,220				335,542		2	7,238		3,544	247	1,467							1,828,694
R11						492			2,427											2,919
R12																				
R13	1,181	173,925			609		149	61	256,538	5	2,858	3		87,542	11,036				290	534,200
Σ	17,471	3,035,784	0	4	7,118	449,821	716	3,701	322,320	362	456,019	386	5,844	91,395	14,700	8	0	24	387	4,406,064
D1	728	11,130,285			65	4,630	750	984	2,921	1,280	13,552	416	2,999	372,329	188	250	492		20	11,531,889
D2					166	3,719			132											4,017
D3																				
D4		1,717							4,152			280								6,149
D5		788							339											1,127
D8									265											265
D9		6,589		8	65,483	7,608			2,035	21		8							4	81,757
D10		2,063			52	1				321		19			2					2,457
D13		45			13	11	3		40	19	1				4				3	139
D14		117								63									7	187
D15																				
Σ	728	11,141,604	0	8	65,779	15,969	753	984	9,884	1,704	13,553	723	2,999	372,329	194	250	492	0	34	11,627,987

Table 7_III.11. Waste recovery and destruction in Estonia in 2005, tonnes

	Glass	Inert	Leather	Rubber	Petroleum-products, Oils and Solvents	Organic	Paper	Plastic	Sludge	Textile	Wood	Clinical	Garden	Mixed Municipal	Municipal Paper	Municipal Plastic	Municipal Textile	Municipal Wood	Municipal Inert	Total
R1		26,336			5,212	1,989	388	19	53	6	263,892	12			75				37	298,018
R2		6																		6
R3		465,579			861	178,698	21	5,375	68,527	52	220,197	3	6,208	1,210	5,011	2				951,744
R4		13,300																		13,300
R5	10,200	1,681,231			2	16		341	40		13	167		74					1	1,692,085
R9					836	42														878
R10	755	1,657,273				349,262			10,739		2,537		353							2,020,918
R11						518			1,290											1,808
R12																				
R13	734	171,344			212	2	3,553	121	278,911	8	12,307	2		94,247	13,305	11		555	81	575,392
Σ	11,689	4,015,069	0	0	7,123	530,527	3,962	5,856	359,560	66	498,946	184	6,561	95,531	18,391	13	0	555	119	5,554,149
D1	1,263	10,977,024			81	19,149	347	1,390	1,394	1,141	5,965	397	1,160	363,097	523	3	485	30	28	11,373,476
D2		81																		81
D3						184			150											334
D4		80,995							1,047			399								82,441
D5		3,926						1	420			1							4	4,352
D8									1,035											1,035
D9		8,537			50,630	18,741			1,080	28		13							137	79,167
D10		63			106					176	10	9			2					366
D13		8			24					3									6	41
D14		21				5				20									14	60
D15		20																		20
Σ	1,263	11,070,675	0	0	50,841	38,079	347	1,391	5,126	1,368	5,975	819	1,160	363,097	525	3	485	30	189	11,541,373

Table 7_III.12. Waste recovery and destruction in Estonia in 2006, tonnes

	Glass	Inert	Leather	Rubber	Petroleum-products, Oils and Solvents	Organic	Paper	Plastic	Sludge	Textile	Wood	Clinical	Garden	Mixed Municipal	Municipal Paper	Municipal Plastic	Municipal Textile	Municipal Wood	Municipal Inert	Total
R1		27,444			5,141	1,048	10			197	222,107	3			1			500	116	256,567
R2		52																		52
R3		349,153			710	168,748	1,101	9,570	84,575	109	402,060	3	7,482	54	5,464			806		1,029,834
R4		13,110																		13,110
R5	9,788	2,885,914			1	15		766	2,086		9,471			68		5			1	2,908,114
R9					605															605
R10	634	895,686				132,630		52	1,703,383		3,407		108							2,735,901
R11		86																		86
R12																				
R13	157	175,606			3,080		16,564	450	208,158	1	5,867	3		95,653	5,653	64	374	1,080	601	513,312
Σ	10,579	4,347,051	0	0	9,537	302,441	17,675	10,838	1,998,202	307	642,912	9	7,590	95,775	11,118	69	374	2,386	718	7,457,581
D1	1,292	10,508,461			70	5,255	141	914	674	854	1,938	245	1,232	353,560	18	3	405		140	10,875,203
D2		221,300																		221,300
D3																				
D4		68,978				115			3,989			394								73,475
D5		9,602				1		164	18	48	362	1	446	14,299					19	24,960
D8		57							439		17			188						701
D9		7,932			46,179	15,366			589	74			223						179	70,542
D10										40		1								41
D13		238			650	1	12	9	20		1								134	1,064
D14		79				1													16	96
D15																				
Σ	1,292	10,816,647	0	0	46,899	20,739	153	1,087	5,729	1,016	2,318	641	1,901	368,047	18	3	405	0	488	11,267,382

DISPOSAL OPERATIONS¹⁴

- D 1 Deposit into or onto land (e.g. landfill, etc.)
- D 2 Land treatment (e.g. biodegradation of liquid or sludgy discards in soils, etc.)
- D 3 Deep injection (e.g. injection of pumpable discards into wells, salt domes or naturally occurring repositories, etc.)
- D 4 Surface impoundment (e.g. placement of liquid or sludgy discards into pits, ponds or lagoons, etc.)
- D 5 Specially engineered landfill (e.g. placement into lined discrete cells which are capped and isolated from one another and the environment, etc.)
- D 6 Release into a water body except seas/oceans
- D 7 Release into seas/oceans including sea-bed insertion
- D 8 Biological treatment not specified elsewhere in this Annex which results in final compounds or mixtures which are discarded by means of any of the operations numbered D 1 to D 12
- D 9 Physico-chemical treatment not specified elsewhere in this Annex which results in final compounds or mixtures which are discarded by means of any of the operations numbered D 1 to D 12 (e.g. evaporation, drying, calcination, etc.)
- D 10 Incineration on land
- D 11 Incineration at sea
- D 12 Permanent storage (e.g. emplacement of containers in a mine, etc.)
- D 13 Blending or mixing prior to submission to any of the operations numbered D 1 to D 12
- D 14 Repackaging prior to submission to any of the operations numbered D 1 to D 13
- D 15 Storage pending any of the operations numbered D 1 to D 14 (excluding temporary storage, pending collection, on the site where it is produced)

RECOVERY OPERATIONS

- R 1 Use principally as a fuel or other means to generate energy
- R 2 Solvent reclamation/regeneration
- R 3 Recycling/reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes)
- R 4 Recycling/reclamation of metals and metal compounds
- R 5 Recycling/reclamation of other inorganic materials
- R 6 Regeneration of acids or bases
- R 7 Recovery of components used for pollution abatement
- R 8 Recovery of components from catalysts
- R 9 Oil re-refining or other reuses of oil
- R 10 Land treatment resulting in benefit to agriculture or ecological improvement
- R 11 Use of wastes obtained from any of the operations numbered R 1 to R 10
- R 12 Exchange of wastes for submission to any of the operations numbered R 1 to R 11
- R 13 Storage of wastes pending any of the operations numbered R 1 to R 12 (excluding temporary storage, pending collection, on the site where it is produced)

¹⁴ the Council Directive (75/442/EEC)