

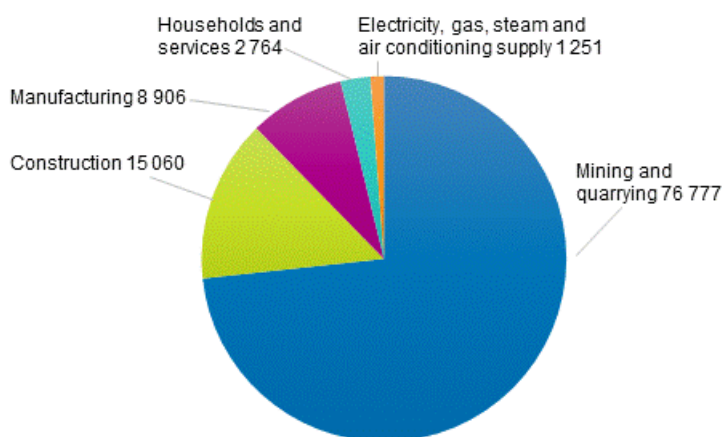
Waste statistics 2015

Waste from production and consumption

Amounts of waste from production both increased and decreased; the economic cycles of mining and quarrying pulled the total amount of waste in their direction in 2015

Compared to the previous year, the total amount of waste generated in 2015 grew by over ten per cent. This was despite the fact that our manufacturing's total amount of waste fell considerably in 2015 from the previous reference year, 2014; from around 10.3 to 8.9 million tonnes. However, the amounts of surface soil, waste stone and ore dressing sand generated by mining and quarrying had a rising effect on the total amount of waste due to their large quantities. Over 76 million tonnes of surface soil dug to uncover ore, waste stone from mines and ore dressing sand from separation of valuable ore minerals were generated from mining and quarrying. The amount of waste from energy production largely followed the trend of manufacturing, the decrease in the amounts of waste accumulated was similar to manufacturing, being only around 85 per cent from the previous year.

Waste generated by sector and type in 2015, 1,000 tonnes per year



The statistics on waste from construction are based on the amount of construction waste received in pre-processing plants, utilisation sites like civil engineering sites and stockpiling areas. The drop in the amount of waste from construction was lower than for manufacturing, nearly eight per cent from the

previous year, but the figures in the statistics include larger amounts of concrete waste than before, which has in part curbed the drop in the total amount.

There has not been much change in the total amount of hazardous waste, the drop of a few per cent can be explained by cyclical variations in manufacturing.

In the statistics, waste management has earlier included waste deposited at landfills in the separate category other final management, which comprises many types of waste from manufacturing that are disposed in reservoirs. For mineral waste like soil mass and waste from mining and quarrying, the recovery rates have fallen and landfill disposal and other final treatment such as reservoirs have correspondingly grown. For incineration of waste, the total amount of energy recovered waste and waste reported as incinerated without energy recovery has remained unchanged, at nearly five million tonnes, but more waste than before was recorded in 2015 as energy recovered instead of disposal by incineration.

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Appendix table 1. Waste generation in 2015, tonnes

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http://www.tilastokeskus.fi/til/jate/2015/jate_2015_2017-06-15_tau_001_en.html.

The data is also available in StatFin-database:

http://pxnet2.stat.fi/PXWeb/pxweb/en/StatFin/StatFin__ymp__jate/statfin_jate_pxt_003.px

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1.1 Spent solvents Hazardous	..	19	68	107	154	56	24 253	1	959	1 190
1.2 Acid, alkaline or saline wastes Non-hazardous	49 203	95	5 565	190
1.2 Acid, alkaline or saline wastes Hazardous	..	7	..	9	8 776	176	16 822	2	107 745	190
1.3 Used oils Hazardous	..	340	52	358	1 274	1 180	303	62	14 886	2 030
1.4, 2, 3.1 Chemical wastes Non-hazardous	..	5 488	100	363	146 425	877	2 230	..	220	120
1.4, 2, 3.1 Chemical wastes Hazardous	..	769	205	2 767	12 902	16 364	44 841	1 352	85 420	2 560
3.2 Industrial effluent sludges Non-hazardous	..	3 203	41	269	116 003	..	85 883	1 601	73 307	..
3.2 Industrial effluent sludges Hazardous	..	12	8	8	118	638	1 957	265	23 945	180
3.3 Sludges and liquid wastes from waste treatment Non-hazardous	15
3.3 Sludges and liquid wastes from waste treatment Hazardous	54	33 871	..
5 Health care and biological wastes Non-hazardous	19
5 Health care and biological wastes Hazardous	..	5 860	11

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6.1 Metallic wastes, ferrous Non-hazardous	..	577	83	3 776	4 669	28	2 280	298	110 846	26 210
6.2 Metallic wastes, non-ferrous Non-hazardous	..	103	..	9	288	63	195	9	15 377	4 370
6.3 Metallic wastes, mixed ferrous and non-ferrous Non-hazardous	..	2 013	39	1 860	12 450	3 964	3 435	695	2 863	7 240
7.1 Glass wastes Non-hazardous	..	1 187	..	8	15	26	252	30 467	8	8 000
7.1 Glass wastes Hazardous	10
7.2 Paper and cardboard wastes Non-hazardous	..	5 555	444	434	200 271	64	3 884	527	5 478	1 800
7.3 Rubber wastes Non-hazardous	2
7.4 Plastic wastes Non-hazardous	..	4 204	142	521	7 203	134	17 923	529	9 139	44 000
7.5 Wood wastes Non-hazardous	..	2 864	197	1 039 878	2 261 898	1 271	5 931	1 434	5 452	7 250
7.5 Wood wastes Hazardous	..	1	..	25 006	..	8	3	..	82	..
7.6 Textile wastes Non-hazardous	..	9 932	5 422	58
7.7 Waste containing PCB Hazardous	1	8	..	18	..
8 (excl. 8.1, 8.41) Discarded equipment (excluding discarded vehicles, batteries and accumulators wastes) Non-hazardous	..	22	3	12	113	10	80	7	830	15 000

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8 (excl. 8.1, 8.41) Discarded equipment (excluding discarded vehicles, batteries and accumulators wastes) Hazardous	..	69	4	23	138	55	59	8	393	5
8.1 Discarded vehicles Non-hazardous
8.1 Discarded vehicles Hazardous
8.41 Batteries and accumulators wastes Non-hazardous	..	1	..	2	8	..	1	..	4	..
8.41 Batteries and accumulators wastes Hazardous	..	28	..	5	42	13	47	10	54	3
9.1 Animal and mixed food waste Non-hazardous	..	247 255	143	79	374	33	2 856	34	342	70
9.2 Vegetal wastes Non-hazardous	..	256 311	4	88 574	4 661	..	2 032	..	749	..
9.3 Animal faeces, urine and manure Non-hazardous	..	41 205
10.1 Household and similar wastes Non-hazardous	..	7 211	788	2 796	9 965	108	9 241	1 650	5 103	1 73
10.2 Mixed and undifferentiated materials Non-hazardous	..	34 793	1 769	4 102	246 878	8 289	309 074	28 261	41 622	5 98
10.2 Mixed and undifferentiated materials Hazardous	..	21	31	13	109	3	1 560	1	475	24
10.3 Sorting residues Non-hazardous	..	598	72	..	160	3	102	..

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10.3 Sorting residues Hazardous	105	..	44	..
11 Common sludges Non-hazardous	..	14 634	..	2 420	316 789	4	3 959	121	318	13
12.1 Mineral waste from construction and demolition Non-hazardous	..	511	74	2 663	37 884	3 352	3 397	10 859	8 372	2 19
12.1 Mineral waste from construction and demolition Hazardous	..	31	..	59	126	1	51	..	1 606	..
12.2, 12.3, 12.5 Other mineral wastes Non-hazardous	75 217 624	81 541	..	3	96	132	..	486 468	64 917	5 44
12.2, 12.3, 12.5 Other mineral wastes Hazardous	259 041	1	14	372	20	5	771 485	35
12.4 Combustion wastes Non-hazardous	..	6 969	..	19 795	148 266	..	3 335	8 930	567 617	12
12.4 Combustion wastes Hazardous	91	27	13	..	715	40 145	2
12.6 Soils Non-hazardous	1 300 497	16	..	380	9 666	5 565	3 637	..	5 964	45
12.6 Soils Hazardous	..	669	658	3	31	953	22	..	11 225	34
12.7 Dredging spoils Non-hazardous	224
12.7 Dredging spoils Hazardous	281	431
12.8, 13 Mineral wastes from waste treatment and stabilised wastes Non-hazardous	6	..

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12.8, 13 Mineral wastes from waste treatment and stabilised wastes										
Hazardous	27 262	..
Not defined	..	5	29	1	48	..	7	81	613	6
Total	76 777 162	734 024	10 304	1 196 406	3 597 530	44 278	555 496	574 397	2 038 864	71 799
Of which hazardous	259 041	7 826	1 026	28 461	24 046	20 263	90 062	2 421	1 119 615	7 249

Appendix table 2. Waste treatment in 2015, tonnes

	1 Energy recovery (R1)	2 Waste incineration (D10)	3 Material recovery (R2 - R11)	4 Landfilling (D1, D5, D12)	5 Other disposal operations (D2, D3, D4, D6, D7)	Total
1.1 Spent solvents Hazardous	0	22 429	986	0	0	23 415
1.2 Acid, alkaline or saline wastes Non-hazardous	0	7	1 868	5 367	0	7 242
1.2 Acid, alkaline or saline wastes Hazardous	0	565	8 533	82 794	2 392	94 284
1.3 Used oils Hazardous	1 476	6 573	30 782	41	0	38 872
1.4, 2, 3.1 Chemical wastes Non-hazardous	3 246	2 063	60 079	74 712	65	140 165
1.4, 2, 3.1 Chemical wastes Hazardous	2 333	72 242	22 928	2 984	2 245	102 732
3.2 Industrial effluent sludges Non-hazardous	73 045	57	74 024	97 829	334	245 289
3.2 Industrial effluent sludges Hazardous	5 525	7 223	70	19 888	0	32 706
3.3 Sludges and liquid wastes from waste treatment Non-hazardous	0	1	2 466	211	0	2 678
3.3 Sludges and liquid wastes from waste treatment Hazardous	4	545	0	34 513	0	35 062
5 Health care and biological wastes Non-hazardous	1 510	83	0	1 644	0	3 237
5 Health care and biological wastes Hazardous	0	467	0	0	0	467
6.1 Metallic wastes, ferrous Non-hazardous	0	25	108 815	434	0	109 274
6.2 Metallic wastes, non-ferrous Non-hazardous	0	1	37 482	122	0	37 605
6.3 Metallic wastes, mixed ferrous and non-ferrous Non-hazardous	0	3	6 554	1 013	0	7 570
7.1 Glass wastes Non-hazardous	7 672	4	49 716	199	0	57 591
7.1 Glass wastes Hazardous	0	0	0	0	0	0
7.2 Paper and cardboard wastes Non-hazardous	32 221	7 187	563 675	12	0	603 095
7.3 Rubber wastes Non-hazardous	0	234	7 742	0	0	7 976
7.4 Plastic wastes Non-hazardous	53 181	21 533	12 185	916	0	87 815
7.5 Wood wastes Non-hazardous	2 724 295	11 655	181 995	5 535	0	2 923 480
7.5 Wood wastes Hazardous	6 275	6 915	0	11 599	0	24 789
7.6 Textile wastes Non-hazardous	118	636	10 721	39	0	11 514
7.7 Waste containing PCB Hazardous	0	736	0	0	0	736
8 (excl. 8.1, 8.41) Discarded equipment (excluding discarded vehicles, batteries and accumulators wastes) Non-hazardous	75	3	38 719	81	0	38 878
8 (excl. 8.1, 8.41) Discarded equipment (excluding discarded vehicles, batteries and accumulators wastes) Hazardous	0	486	24 239	0	16	24 741
8.1 Discarded vehicles Non-hazardous	0	0	54 322	0	0	54 322
8.1 Discarded vehicles Hazardous	0	4	48 172	0	0	48 176
8.41 Batteries and accumulators wastes Non-hazardous	0	19	202	0	0	221
8.41 Batteries and accumulators wastes Hazardous	0	45	1 638	0	0	1 683

	1 Energy recovery (R1)	2 Waste incineration (D10)	3 Material recovery (R2 - R11)	4 Landfilling (D1, D5, D12)	5 Other disposal operations (D2, D3, D4, D6, D7)	Total
9.1 Animal and mixed food waste Non-hazardous	14 702	7 815	613 720	1 638	4 410	642 285
9.2 Vegetal wastes Non-hazardous	62 883	44	113 424	15 274	19	191 644
9.3 Animal faeces, urine and manure Non-hazardous	0	6	324 469	17 856	12 840	355 171
10.1 Household and similar wastes Non-hazardous	753 205	3 338	13 383	311 029	0	1 080 955
10.2 Mixed and undifferentiated materials Non-hazardous	418 773	9 547	280 128	158 989	5 429	872 866
10.2 Mixed and undifferentiated materials Hazardous	11	5 745	17	320	0	6 093
10.3 Sorting residues Non-hazardous	46 322	15 911	149 358	87 791	0	299 382
10.3 Sorting residues Hazardous	29 340	12 857	0	49 007	0	91 204
11 Common sludges Non-hazardous	257 124	74	144 673	4 598	803	407 272
12.1 Mineral waste from construction and demolition Non-hazardous	142 061	147	1 688 478	116 452	0	1 947 138
12.1 Mineral waste from construction and demolition Hazardous	47 840	2 864	2 099	13 269	0	66 072
12.2, 12.3, 12.5 Other mineral wastes Non-hazardous	1 324	3 633	116 912	65 032 061	10 232 413	75 386 343
12.2, 12.3, 12.5 Other mineral wastes Hazardous	0	652	6 193	808 731	259 041	1 074 617
12.4 Combustion wastes Non-hazardous	12	38	736 900	441 632	0	1 178 582
12.4 Combustion wastes Hazardous	1	195	931	3 627	0	4 754
12.6 Soils Non-hazardous	0	450	1 314 779	13 151 208	0	14 466 437
12.6 Soils Hazardous	0	345	13 981	119 517	0	133 843
12.7 Dredging spoils Non-hazardous	0	0	12	2 605	0	2 617
12.7 Dredging spoils Hazardous	3 589	0	0	64	0	3 653
12.8, 13 Mineral wastes from waste treatment and stabilised wastes Non-hazardous	0	262	141 306	27 681	119	169 368
12.8, 13 Mineral wastes from waste treatment and stabilised wastes Hazardous	205	13	262	77 855	0	78 335
Not defined	0	2	1 226	5	0	1 233
Total	4 688 368	225 679	7 010 164	80 781 142	10 520 126	103 225 479
Of which hazardous	96 599	140 901	160 831	1 224 209	263 694	1 886 234

Inquiries

Juha Espo 029 551 3463

Simo Vahvelainen 029 551 3457

Director in charge:

Ville Vertanen

ymparisto.energia@stat.fi

www.stat.fi

Source: Waste statistics 2015, Statistics Finland