

STATISTICAL RELEASE

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Statistics and environmental account section

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Waste generated and treated, 2019

– Preliminary results –

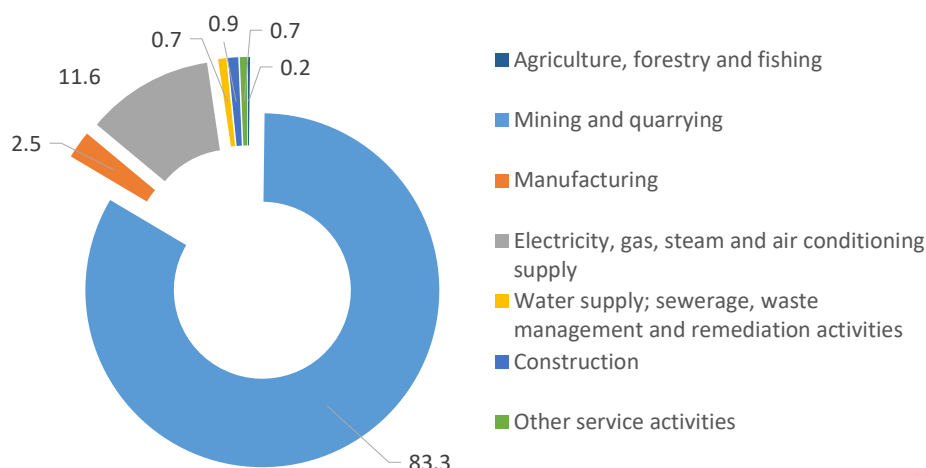
During 2019, the sections: Agriculture, forestry and fishing, Mining and quarrying, Manufacturing, Electricity, gas, steam and air conditioning supply, Water supply, sewerage, waste management and remediation activities, Construction and Other service activities of the Republic of Serbia generated waste amounting to 64.5 million tons, out of which 75.6% related to non-hazardous and 24.4% to hazardous waste. The greatest share of generated hazardous waste was from the section of Mining and quarrying (29.2%).

1. Generated waste in the Republic of Serbia by sections, 2018 and 2019

	2018	2019		
	t	t	Non-hazardous waste, %	Hazardous waste, %
Generated waste – total	49 265 850	64 516 995	75.6	24.4
Agriculture, forestry and fishing	92 922	130 756	96.1	3.9
Mining and quarrying	38 625 967	53 766 612	70.8	29.2
Manufacturing	1 520 654	1 613 134	96.7	3.3
Electricity, gas, steam and air conditioning supply	7 495 025	7 500 434	100.0	0.0
Water supply, sewerage, waste management and remediation activities	561 151	478 334	97.2	2.8
Construction	550 436	605 889	99.7	0.3
Other service activities	419 696	421 837	96.8	3.2

Generated waste quantities, observed by sections and relative to the previous year, noted in 2019 the following trends: Agriculture, forestry and fishing – increase of 40.7%, Mining and quarrying – increase of 39.2%, Manufacturing – increase of 6.1%, Electricity, gas, steam and air conditioning supply – decrease of 0.1%, Water supply, sewerage, waste management and remediation activities – decrease of 14.8%, Construction – increase of 10.1% and Other service activities – increase of 0.5%.

Share of generated waste in the Republic of Serbia, by sections, 2019



2. Generated waste in the Republic of Serbia by aggregated waste list, 2019

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EWC-Stat ¹⁾	Waste character ²⁾	CA sections							
		Agriculture, forestry and fishing	Mining and quarrying	Manufacturing	Electricity, gas, steam and air conditioning supply	Water supply, sewerage, waste management and remediation activities	Construction	Other service activities	
Total		130 765	53 766 612	1 613 134	7 500 434	4 780 334	605 889	421 837	
Non-hazardous waste – all		125 715	38 080 547	1 566 240	7 499 438	465 059	604 321	408 423	
Hazardous waste – all		5 041	15 686 066	46 894	996	13 274	1 569	13 414	
1.1 Spent solvents Acid, alkaline or saline	H	-	-	35	1	1	1	-	
1.2 wastes	N	-	-	53	-	-	-	-	
	H	-	-	2 528	-	2 837	-	981	
1.3 Used oils	H	68	129	5 444	323	29	397	1 361	
1.4,2,3.1 Chemical wastes	N	1	4	6 223	1 187	580	708	149	
	H	79	213	11 266	172	1 290	64	942	
3.2 Industrial effluent sludges ³⁾	N	-	-	6081	17	193	20	364	
	H	-	-	567	-	901	-	71	
3.3 Sludges and liquid wastes from waste treatment ³⁾	N	-	-	55	-	191	-	28	
	H	-	-	68	-	2	-	6	
5 Health care and biological wastes	N	-	-	9	-	-	-	604	
	H	4 852	-	36	-	-	-	3 424	
6.1 Metallic wastes, ferrous	N	7 862	6 762	126 238	12 815	98 930	16 612	151 908	
6.2 Metallic wastes, non-ferrous	N	7 009	498	11 154	95	3 273	1 641	3 137	
6.3 Metallic wastes, mixed ferrous and non-ferrous	N	403	20	10 762	491	2 090	1 257	3 790	
7.1 Glass wastes	N	12	-	10 437	12	4 338	737	8 027	
	H	-	-	-	-	2	-	-	
7.2 Paper and cardboard wastes	N	536	14	87 442	12	51 849	470	46 584	
7.3 Rubber wastes	N	127	558	7 191	48	199	612	6 238	
7.4 Plastic wastes	N	182	15	37 167	21	7 671	1 230	10 515	
7.5 Wood wastes	N	662	12	61 697	167	312	1 286	12 925	
	H	-	-	5 100	-	-	-	143	
7.6 Textile wastes	N	2	1	12 583	1	328	-	62	
7.7 Waste containing PCB ⁴⁾ Discarded equipment	H	-	49	47	-	1	-	3	
8 (excluding 08.1, 08.41)	N	-	56	406	863	1 630	11	351	
	H	5	73	5 853	100	3 040	39	1 828	
8.1 Discarded vehicles	N	4	509	3	-	141	79	1 785	
	H	20	-	45	-	16	-	1 508	
8.4.1 Batteries and accumulators wastes	N	45	-	2	-	10	5	639	
	H	16	35	319	53	47	58	2 385	
9.1 Animal and mixed food waste	N	4 221	-	12 136	-	2 951	78	14 008	
9.2 Vegetal wastes	N	1 631	-	27 028	1	1 283	219	21 890	
9.3 Animal faeces, urine and manure	N	102 219	-	4149	-	-	-	-	
10.1 Household and similar wastes	N	689	134	35 724	1215	21 590	5 853	100 650	
	H	94	5790	61 153	1	6 548	92	5 201	
10.2 Mixed and undifferentiated materials	H	-	7	279	2	4	-	689	
10.3 Sorting residues	N	-	-	566	-	12 515	-	2 105	
	H	-	3	103	-	1 633	-	52	
11 Common sludges	N	5	-	503	-	173 984	-	1 158	
12.1 Mineral waste from construction and demolition	N	-	-	17 551	16 113	2 618	327 779	5 737	
	H	-	-	45	18	-	953	11	
12.2,12.3,12.5 Other mineral wastes	N	-	38 063 187	14 225	1	35 471	507	1 202	
	H	-	15 685 556	124	30	-	43	4	
12.4 Combustion wastes	N	15	2 984	729 134	7465742	434	405	2 659	
	H	-	1	15 033	285	3 473	-	4	
12.6 Soils	N	-	-	251	539	30 061	165 615	6 703	
	H	-	-	3	13	-	13	-	
12.7 Dredging spoils	N	-	-	-	-	-	79105	-	
12.8,13 Mineral wastes from waste treatment and stabilised waste	H	-	-	286 319	97	5 919	-	3	
	N	-	-	1 613 134	1	4780 334	1	-	
	H	130 765	-	-	-	-	-	-	

¹⁾ European Waste Classification for Statistics (EWC-Stat), by Commission Regulation (EU) No 849/2010

²⁾ H – hazardous waste / N – non-hazardous waste

³⁾ Sludges (EWC-Stat types 03.2, 03.3, 11 and 12.7) dry.

⁴⁾ PCB – Polychlorinated biphenyls

In 2019 total treated waste quantity was 62.7 million tons. From total treated waste quantity it was disposed 60.5 million tons (96.5%).

Total recycled waste quantities in 2019 noted increase of 6.2% relative to 2018, and it was mostly created due to increased metal waste recycling.

Quantity of recycled waste that was used as fuel for energy production noted increase of 14.9% relative to 2019.

3. Waste treatment in the Republic of Serbia, 2018 and 2019

	2018	2019		
	t	t	Hazardous waste, %	Non-hazardous waste, %
Total	49 085 246	62 683 732	25.2	74.8
Used principally as a fuel or other means to generate energy	135 328	155 544	4.1	95.9
Incineration on land	0	0	-	-
Recycling	1 527 834	1 622 914	3.9	96.1
Backfilling	437 897	446 615	-	100.0
Deposit into or onto land (e.g. landfill)	46 852 720	60 284 571	26.0	74.0
Other disposal	131 467	174 088	-	100.0

Methodological notes

Methodological explanations on waste can be found on SORS website:

<http://publikacije.stat.gov.rs/G2016/Pdf/G201620086.pdf>

Data series on Industrial waste from the reference year 2008 are available as a part of SORS publications:

<http://www.stat.gov.rs/publikacije/>

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