



Statistical Office of the Republic of Serbia

Construction and Demolition waste in Republic of Serbia

According to Regulation (EC) No 2150/2002 on
waste statistics

Belgrade 17/06/2016

Construction and Demolition waste in Serbia

- Waste generation by waste category (EWC-Stat) and economic activities (CA)

			1	2	..	16	..	19	HH	Total							
EWC-Stat/CA divisions		Description	01-03	04-09		41-43		4677									
1	01.1	Spent solvent		Data available for 2014													
...																	
...																	
13	06.1	Metalic waste, ferrous															
...																	
40	12.1	Mineral waste from constr and dem															
...		...															
51	12.8, 13																
Total																	

Construction and Demolition waste in Serbia

- Structure of Classification of Activities

CA Section - 21	Division - 88	Group - 272	Class - 615
SECTION A – Agriculture, Forestry and Fishing
SECTION B – Mining and Quarrying
SECTION C – Manufacturing
...
SECTION F – Construction	41 Construction of buildings		
	42 Civil engineering		
	43 Specialised construction activities	43.1 Demolition and site preparation	43.11 Demolition
...			
SECTION U – Activities of Extraterritorial Organisations and Bodies			

Construction and Demolition waste in Serbia

- Methodology for CA section – Construction in 2012, 2013, 2014
- Sample survey
- Questionnaire (paper, web)
- Fieldwork in cooperation with Regional statistical offices

- Sampling frame include enterprises with 10 and more employees
- Only for 2012 include small enterprises with less than 10 employees

- Classifications used:
- Classification of activities (CA) 2010
- LoW and
- Recovery and Disposal operations pursuant to Annex II of the Waste Statistics Regulation

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Structure of statistical units for 2012 has showed that (80% of them) are small with unknown or 1 to 9 employees. Most of them in CA division 43 – Specialized construction activities and perform their activities like craft.

Number of enterprises according to the available SBR (Statistical Business register) in CA section Construction, in the last three years for which data are available

Section Construction / Number of enterprises according to the available SBR	Total	Class of employees				
		0 or unknown number of employees	1- 9 employees	10-49 employees	50–249 employees	≥ 250 employees
2012	5719 (1160)	802	3757	902	212	46
2013	1155			912	196	47
2014	1055			820	194	41

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- Official data on employment in CA section Construction and Total in all CA activities

	2012	2013	2014
Total persons employed (all activities) in Serbia	2 228 343	2 310 718	2 421 270
Total persons employed in construction	114 853	109 798	107 504
% of persons employed in construction	5.2	4.8	4.4

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- Waste generated by waste categories (EWC-Stat) in the section of Construction

Waste categories[1]		2012	2013	2014
Total, of which:		363 706	328 235	263 302
Hazardous waste, all		4 737	373	321
	1.1 Spent solvents	0	0	0
	1.2 Acid, alkaline or saline wastes	0	1	0
	1.3 Used oils	185	132	109
01.4, 02, 03.1	Chemical wastes	24	8	25
	<u>7.7 Waste containing PCB[2]</u>	0	-	8
08 (ex. 08.1; 08.41)	Discarded equipment	53	29	2
	8.1 Discarded vehicles	-	173	3
	8.41 Batteries and accumulators wastes	41	30	58
	10.2 Mixed and undifferentiated materials	2	-	5
	12.1 Mineral waste from construction and demolition	4 431	-	64
12.2, 12.3, 12.5	Other mineral wastes	-	1	25
	12.4 Combustion wastes	-	-	0
	12.6 Soils	-	-	0

[1] [Statistical waste classification, ver.4, in compliance with Regulation 849/2010 - \(EWC-Stat/Ver.4\).](#)

[2] [PCB - polychlorinated biphenyls](#)

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<u>Waste categories[1]</u>		2012	2013	2014
Non-hazardous waste, all		358 969	327 862	262 981
01.4, 02, 03.1	Chemical wastes	43	8	172
	6.1 Metallic wastes, ferrous	21 886	11 333	25 801
	6.2 Metallic wastes, non-ferrous	201	71	117
	6.3 Metallic wastes, mixed ferrous and non-ferrous	441	456	985
	7.1 Glass wastes	68	43	149
	7.2 Paper and cardboard wastes	1 133	231	179
	7.3 Rubber wastes	406	260	264
	7.4 Plastic wastes	105	28	152
	7.5 Wood wastes	441	137	120
08 (ex. 08.1;08.41)	Discarded equipment	16	6	1
	8.1 Discarded vehicles	-	-	2
	8.41 Batteries and accumulators wastes	4	3	3
	9.1 Animal and mixed food waste	5	13	773
	9.2 Vegetal wastes	35	20	
	10.1 Household and similar wastes	19 241	2 540	1 415
	10.2 Mixed and undifferentiated materials	312	247	10
	11 Common sludges	23	-	-
	12.1 Mineral waste from construction and demolition	82 557	66 297	43 977
12.2, 12.3, 12.5	Other mineral wastes	-	1 054	1 050
	12.4 Combustion wastes	18	15	510
	12.6 Soils	229 120	245 100	175 835
	12.7 Dredging spoils	2 910	-	11 467
12.8, 13	Mineral w. from w. treatment and stabilised wastes	5	-	-

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Structure of waste generated by waste categories (EWC-Stat) and activities CA (%)

EWC-Stat – Hazardous waste	Construction, 2014
Used oils	34.0
Mineral waste from construction and demolition	19.9
Batteries and accumulators wastes	18.0
Chemical wastes	7.9
Other mineral wastes	7.7
Discarded equipment	7.3
Other waste	5.3
EWC-Stat – Non-hazardous waste	Construction, 2014
Soils	66.9
Mineral waste from construction and demolition	16.7
Metallic wastes, ferrous	9.8
Other waste	6.6

Construction and Demolition waste in Serbia

- List of waste – Group 17 – Construction and demolition waste
- Generated and treated Construction and demolition waste in section (B-U) of CA

Group 17 - Generated	2014, tonnes
Total	308 172
Waste generated	277 571
Waste temporary stored	30 601

Group 17 - Treated	2014, tonnes
Total	308 172
Disposed	210 007
Recovered	79 473
Waste temporary stored	18 692

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- Publication
- http://webrzs.stat.gov.rs/WebSite/repository/documents/00/01/84/96/Waste_Statistics_in_the_Republic_of_Serbia_2010-2013.pdf
- Thank you
- Dušanka Dostanić