

# STATISTICAL RELEASE

# ZS60

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**Environmental statistics**

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## Industrial waste in the Republic of Serbia, 2010

- Preliminary results -

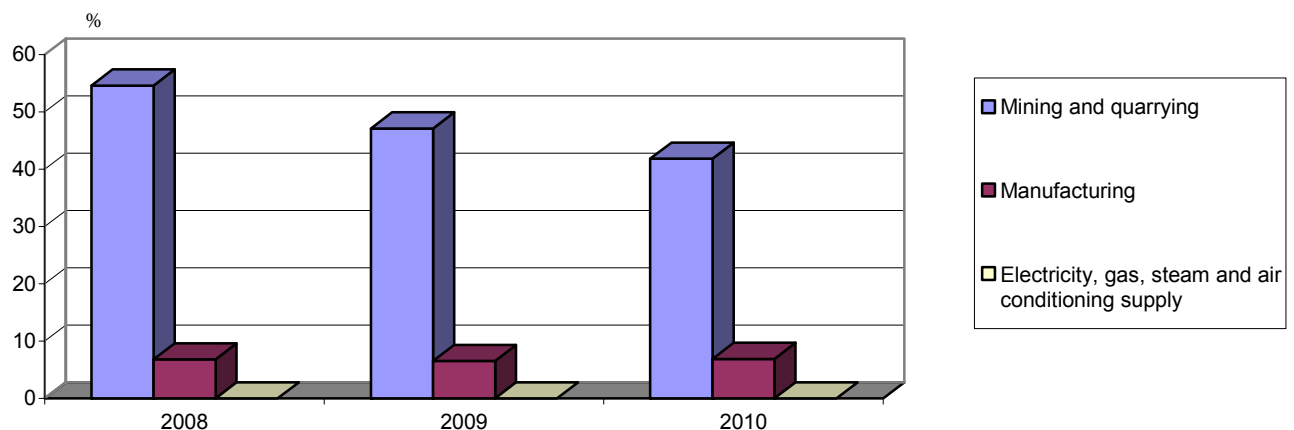
The statistical release presents selected statistical data on industrial waste in 2010.

Of the total amount of 33 721 299 tons of industrial waste, the sections Mining and Quarrying generated 26 434 357 tons (58.16% 41.84% of non-hazardous and hazardous waste respectively), Manufacturing 1 266 653 tons (93.09% and 6.91% of non-hazardous and hazardous waste respectively) and Electricity, Gas, Steam and Air Conditioning Supply 6 020 289 tons (99.98% and 0.02% of non-hazardous and hazardous waste respectively).

### 1. Generated industrial waste, by sections, 2010

	Generated waste, t			
	Total	Mining and quarrying	Manufacturing	Electricity, gas, steam and air conditioning supply
	2010			
<b>Total</b>	33 721 299	26 434 357	1 266 653	6 020 289
Non-hazardous, total	22 571 696	15 373 746	1 179 142	6 018 808
Hazardous, total	11 149 603	11 060 611	87 511	1 481
	2009			
<b>Total</b>	28 634 992	21 109 318	1 316 770	6 208 904
Non-hazardous, total	18 603 772	11 165 354	1 230 182	6 208 236
Hazardous, total	10 031 220	9 943 964	86 588	668
	2008			
<b>Total</b>	22 671 107	15 009 969	1 961 263	5 699 875
Non-hazardous, total	14 339 753	6 814 739	1 827 398	5 697 616
Hazardous, total	8 331 354	8 195 230	133 865	2 259

### Percentage of hazardous generated waste, by sections, 2008–2010



## 2. Generated industrial waste, by sections and classes of the Waste Catalogue, 2010

		Generated industrial waste	
		Total	Of which: hazardous waste
<b>TOTAL, t</b>		<b>33 721 299</b>	<b>11 149 603</b>
<b>Mining and quarrying – total</b>		<b>26 434 357</b>	<b>11 060 611</b>
01	Wastes resulting from exploration, mining, dressing and further treatment of minerals and quarry	26 419 127	11 060 535
03	Wastes from wood processing and the production of paper, cardboard, pulp, panels and furniture	0	-
05	Wastes from petroleum refining, natural gas purification and pyrolytic treatment of coal	20	9
07	Wastes from organic chemical processes	2	-
10	Wastes from thermal processes	3 806	-
12	Wastes from shaping and surface treatment of metals and plastics	1 530	-
13	Wastes from coal and liquid fuels residues (except of edible oils and those in 05, 12 and 19)	52	52
15	Waste packaging; absorbents; wiping clothes, filter materials and protective clothing not otherwise specified	6	5
16	Wastes not otherwise specified in the list	4 046	4
17	Construction and demolition wastes (including soil dug up from contaminated locations)	5 354	0
19	Wastes from waste treatment facilities, off-site waste water treatment plants and the water industry	21	-
20	Municipal wastes (household waste and similar commercial, industrial and institutional waste), including separately collected fractions	395	5
<b>Manufacturing – total</b>		<b>1 266 653</b>	<b>87 511</b>
01	Wastes resulting from exploration, mining, dressing and further treatment of minerals and quarry	496	-
02	Wastes from agricultural, horticultural, aquacultural, forestry, hunting and fishing primary production, food preparation and processing	287 985	-
03	Wastes from wood processing and the production of paper, cardboard, pulp, panels and furniture	30 941	1 221
04	Wastes from the textile, leather and fur industry	1 197	-
05	Wastes from petroleum refining, natural gas purification and pyrolytic treatment of coal	1 010	961
06	Wastes from inorganic chemical processes	71 842	71 379
07	Wastes from organic chemical processes	2 547	242
08	Wastes from the manufacture, formulation, supply and use of coatings (paints, varnishes and vitreous enamels), adhesives, sealants and printing inks	964	779
09	Wastes from the photographic industry	30	9
10	Wastes from thermal processes	716 057	4 850
11	Wastes from chemical surface treatment of metals and other materials; non-ferrous hydrometallurgy	1 063	691
12	Wastes from shaping and surface treatment of metals and plastics	39 321	903
13	Wastes from coal and liquid fuels residues (except of edible oils and those in 05, 12 and 19)	3 869	3 869
14	Wastes from organic substances used as solvents, coolants and aircraft propellants (except of 07 and 08)	1	1
15	Waste packaging; absorbents; wiping clothes, filter materials and protective clothing not otherwise specified	32 933	237
16	Wastes not otherwise specified in the list	7 155	877
17	Construction and demolition wastes (including soil dug up from contaminated locations)	28 816	389
18	Waste from human or animal health care and/or related research (except of kitchen and restaurant wastes not arising from immediate health care)	17	2
19	Wastes from waste treatment facilities, off-site waste water treatment plants and the water industry	6 372	1 047
20	Municipal wastes (household waste and similar commercial, industrial and institutional waste), including separately collected fractions	34 037	54

## 2. Generated industrial waste, by sections and classes of the Waste Catalogue, 2010 (continued)

		Generated industrial waste	
		Total	Total
	<b>Electricity, gas, steam and air conditioning supply - total</b>	<b>6 020 289</b>	<b>1 481</b>
03	Wastes from wood processing and the production of paper, cardboard, pulp, panels and furniture	300	-
05	Wastes from petroleum refining, natural gas purification and pyrolytic treatment of coal	0	0
07	Wastes from organic chemical processes	1	-
08	Wastes from the manufacture, formulation, supply and use of coatings (paints, varnishes and vitreous enamels), adhesives, sealants and printing inks	1	1
10	Wastes from thermal processes	5 998 503	-
12	Wastes from shaping and surface treatment of metals and plastics	42	3
13	Wastes from coal and liquid fuels residues (except of edible oils and those in 05, 12 and 19)	773	773
15	Waste packaging; absorbents; wiping clothes, filter materials and protective clothing not otherwise specified	18	3
16	Wastes not otherwise specified in the list	697	94
17	Construction and demolition wastes (including soil dug up from contaminated locations)	17 793	78
19	Wastes from waste treatment facilities, off-site waste water treatment plants and the water industry	1 211	1
20	Municipal wastes (household waste and similar commercial, industrial and institutional waste), including separately collected fractions	950	529

### Explanatory notes

Industrial waste data for 2010 were collected in regular statistical survey, which covered all enterprises with 10 and more employees, the principal activity of these being defined in sections Mining and Quarrying, Manufacturing, Electricity, Gas, Steam and Air Conditioning Supply, i.e. in sections from 05 to 35 of the Classification of Activities 2010.

Data are collected by reporting method and regarding the geographical aspect, the survey encompasses enterprises that perform their activities on the whole territory of the Republic of Serbia. Since 1999, the Statistical Office of the Republic of Serbia does not have available certain data for AP Kosovo and Metohia, and thus are not included in the data for the Republic of Serbia (total).

Data have been collected on the basis of the Waste Catalogue, which is in conformity with the European List of Waste (LoW) <sup>1)</sup> and which contains a list of more than 800 types of waste being classified according to the characteristics and origin of waste site in twenty chapters. Of these 20 chapters most of them are industry-based but some are based on materials and processes.

**Waste** refers here to materials that are not prime products (i.e. products produced for the market) for which the generator has no further use for own purpose of production, transformation or consumption, and which he discards, or intends or is required to discard.

**Hazardous waste** is waste, which by its origin, composition or concentration of hazardous materials, can cause danger to environment and human health and has at least one of the hazardous characteristics regulated by law, including its packaging.

**Non-hazardous waste** is the waste that has no characteristics of hazardous waste.

Changes in data for 2009, compared to the Statistical Release ZS60 of 30.06.2010, have occurred as a result of changes in methodology.

<sup>1)</sup> European List of Waste.