|  |  |  |
| --- | --- | --- |
|   | Statistical Office of the Republic of Serbia | ISSN 0353-9555 |
| **STATISTICAL RELEASE** | **ZS60** |
| Number 167 • Year LXIII, 28/06/2013 |  |
| **Environmental statistics** | SERB167 ZS60 280613 |

**Industrial waste in the Republic of Serbia, 2012**

**– Preliminary results –**

During the year 2012, the industrial sections in the Republic of Serbia produced 54.4 million tonnes of waste, recording an increase of 11.1% compared with previous results obtained according to the Survey on industrial waste. The largest increase in the amount of waste generated is recorded in the section Mining and quarrying (15.4%) while the sections Manufacturing has decreased by 28.9% as well as section Electricity, gas, steam and air conditioning supply by 9.6%.

**1. Generated industrial waste in the Republic of Serbia, by sections, 2010–2012**

**t**

|  |  |  |  |
| --- | --- | --- | --- |
|  | 2010 | 2011 | 2012 |
|  |  |  |  |
| **Generated waste** | **33 622 998** | **48 985 948** | **54 430 856** |
| Mining and quarrying | 26 458 201 | 41 517 933 | 47 896 172 |
| Manufacturing | 1 146 010 | 1 112 348 | 790 852 |
| Electricity, gas, steam and air conditioning supply | 6 018 787 | 6 355 668 | 5 743 832 |

Of the total amount of 54 430 856tons of industrial waste, the section Mining and quarrying generated 47 896 172 tons (69.98% and 30.02% of non-hazardous and hazardous waste respectively), Manufacturing 790 852 tons (91.21% and 8.79% of non-hazardous and hazardous waste respectively), and Electricity, Gas, Steam and Air Conditioning Supply 5 743 832 tons (99.98% and 0.02% оf non-hazardous and hazardous waste respectively).

**Graph 1** - **Percentage of generated waste in the Republic of Serbia,**

**by sections, 2010–2012**

![](data:application/x-msmetafile;base64...)

**2. Waste generated in the Republic of Serbia, by EWC-Stat**

**t**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| *EWC*-Stat2) |  | Character of waste1) | 2011 | Waste generated, 2012 |
| Total | Mining and quarrying | Manu-facturing industry | Electricity, gas, steam and air conditioning supply |
|  |  |  |  |  |  |  |  |
|   | **Total** |  | **48 985 948** | **54 430 856** | **47 896 172** | **790 852** | **5 743 832** |
|  |   |  |  |  |  |  |  |
|  | **Non hazardous** |  | **36 217 246** | **39 981 949** | **33 517 717** | **721 348** | **5 742 884** |
|  | **Hazardous** |  | **12 768 703** | **14 448 907** | **14 378 455** | **69 503** | **948** |
|  |  |  |  |  |  |  |  |
| 01.1 | Spent solvents | H | 5 | 8 | - | 8 | - |
| 01.2 | Acid, alkaline or saline wastes | NH | 298 | 22 | - | 22 | - |
|  |  | H | 47 825 | 46 107 | - | 46 107 | - |
| 01.3 | Used oils | H | 1 776 | 1 497 | 118 | 1 078 | 301 |
| 01.4, 02, 03.1 | Chemical wastes | NH | 1 896 | 3 740 | 0 | 2 875 | 864 |
|  |  | H | 5 823 | 3 343 | 50 | 2 908 | 385 |
| 03.23) | Industrial effluent sludges | NH | 7 483 | 1 898 | - | 1 898 | - |
|  |  | H | 1 691 | 380 | - | 380 | - |
| 03.33) | Sludges and liquid wastes from waste treatment | NH | 52 | 54 | - | 54 | - |
|  |  | H | 34 | 20 | - | 20 | - |
| 05 | Health care and biological wastes | NH | 13 | 14 | - | 14 | - |
|  |  | H | 0 | 2 | - | 2 | - |
| 06.1 | Metallic wastes, ferrous | NH | 60 464 | 67 100 | 5 262 | 50 156 | 11 681 |
| 06.2 | Metallic wastes, non-ferrous | NH | 3 150 | 6 407 | 59 | 5 773 | 574 |
| 06.3 | Metallic wastes, mixed | NH | 3 776 | 9 522 | 3 764 | 5 648 | 109 |
| 07.1 | Glass wastes | NH | 22 990 | 7 334 | - | 7 334 | - |
|  |  | H | - | - | - | - | - |
| 07.2 | Paper and cardboard wastes | NH | 16 989 | 26 545 | 17 | 26 461 | 67 |
| 07.3 | Rubber wastes | NH | 1 331 | 6 075 | 5 237 | 777 | 60 |
| 07.4 | Plastic wastes | NH | 9 451 | 13 938 | 412 | 12 898 | 628 |
| 07.5 | Wood wastes | NH | 33 181 | 46 440 | 233 | 44 984 | 1 222 |
|  |  | H | 1 957 | 1 892 | - | 1 888 | 3 |
| 07.6 | Textile wastes | NH | 1 190 | 3 321 | 1 | 3 320 | - |
| 07.7 | Waste containing PCB | H | 68 | 85 | 0 | 79 | 5 |
| 08 | Discarded equipment | NH | 526 | 728 | 24 | 121 | 583 |
|  |  | H | 646 | 578 | 3 | 453 | 121 |
| 08.1 | Discarded vehicles | NH | 114 | 725 | 439 | 39 | 247 |
|  |  | H | 18 | 12 | - | 7 | 5 |
| 08.41 | Batteries and accumulators wastes | NH | 110 | 9 | 1 | 8 | 1 |
|  |  | H | 2 649 | 1 373 | 54 | 1 282 | 37 |
| 09.1 | Animal and mixed food waste | NH | 15 616 | 19 167 | - | 18 975 | 192 |
| 09.2 | Vegetal wastes | NH | 180 931 | 130 550 | - | 130 550 | - |
| 09.3 | Animal faeces, urine and manure | NH | 1 179 | 6 271 | - | 6 271 | - |
| 10.1 | Household and similar wastes | NH | 20 761 | 21 766 | 200 | 21 459 | 107 |
| 10.2 | Mixed and undifferentiated materials | NH | 366 737 | 145 614 | 1 419 | 144 178 | 16 |
|  |  | H | 745 | 611 | - | 596 | 15 |
| 10.3 | Sorting residues | NH | 2 | 2 | - | 2 | - |
|  |  | H | 427 | 1 | - | 1 | - |
| 113) | Common sludges  | NH | 681 | 553 | - | 553 | - |
| 12.1 | Mineral waste from construction and demolition | NH | 2 247 | 2 697 | 501 | 1 498 | 698 |
|  |  | H | 81 | 12 | - | 8 | 4 |
| 12.2, 12.3, 12.5 | Other mineral wastes | NH | 28 910 603 | 33 533 764 | 33 469 558 | 63 946 | 261 |
|  |  | H | 12 700 906 | 14 379 592 | 14 378 211 | 1 310 | 71 |
| 12.4 | Combustion wastes | NH | 6 548 372 | 5 925 217 | 30 586 | 169 830 | 5 724 801 |
|  |  | H | 4 049 | 13 346 | 18 | 13 328 | - |
| 12.6 | Soils | NH | 3 461 | 2 473 | - | 1 703 | 770 |
|  |  | H | 1 | 2 | - | 1 | 1 |
| 12.73) | Dredging spoils | NH | 3 641 | 2 | 2 | - | - |
|  |  | H | - | - | - | - | - |
| 12.8, 13 | Mineral waste from waste treatment and stabilised waste | NH | - | - | - | - | - |
|  |  | H | 3 | 45 | - | 45 | - |

1) H - Hazardous / NH - Non hazardous.

2 Statistical European Waste Classification (*EWC*-Stat), According to Commission Regulation No 849/2010

3) Sludges (*EWC*-Stat categories 03.2, 03.3, 11 and 12.7) in dry weight.

**3. Waste treatment in the Republic of Serbia, by treatment category**

**t**

|  |  |  |
| --- | --- | --- |
|  | 2011 | Waste treated, 2012 |
| total | of which: hazardous |
|  |  |  |  |
| Used principally as a fuel or other means to generate energy | 24 817 | 48 387 | 979 |
| Incineration on land | 4 874 | 869 | 665 |
| Recovery  |  |  |  |
| Recycling1) | 764 753 | 464 530 | 42 127 |
| Deposit into or onto land (e.g. landfill) | 47 785 864 | 54 157 063 | 14 386 858 |
| Other disposal  | 105 005 | 53 787 | 27 |

1) Also include waste received from other enterprises and exclude waste internally recycling from industrial activities.

**Explanatory notes**

Methodological explanations on Industrial waste can be found on the SORS website: <http://webrzs.stat.gov.rs/WebSite/Public/PageView.aspx?pKey=201>.

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

publications: http://webrzs.stat.gov.rs/WebSite/Public/PageView.aspx?pKey=200.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  |  |  |  |

Contact*:*dusanka.dostanic@stat.gov.rs; milijana.ceranic@stat.gov.rs; phone 0112412922ext244

Published and printed by: Statistical Office of the Republic of Serbia, Belgrade, Milana Rakica 5,

Phone: +381 11 2412922 ● Fax: +381 11 2411260 ● www.stat.gov.rs

Responsible: Dragan Vukmirovic, PhD, Director
Circulation: 20 ● Issued annually