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Environmental statistics

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Water use and protection against water pollution, 2017

– Previous results –

Increased water use in industry sections

In 2017, 4.045 millions m³ water was used in the industry sections. The majority of water was used for cooling purposes in electric power generation. The used water increased by 18.1% in relation to the previous year. A total of 4.001 mil. m³ water was discharged, ie. 17.9% more than the previous year.

Water use still the greatest in the section Electricity, steam and air conditioning supply

From a total of 4.045 millions m³ waters in the industry sections, 99.6% include water from own abstraction (98.7% surface water, 0.9% groundwater), and 0.4% from public water supply system.

Water used for industry purposes, observed by sections in relation to the previous year, in 2017 recorded the following movement: Mining and quarrying – 55.5% growth; Manufacturing – 20.2% growth; Electricity, gas, steam and air conditioning supply – 17.9% growth.

Out of water used for industry purposes in total, 96.2% includes water used for the Electricity, gas, steam and air conditioning supply, 3.5% at the Manufacturing and 0.3% in Mining and quarrying.

Primary wastewater treatment still dominant

In 2017 out of a total of 4.001 millions m³ discharged water, 97.7% included discharged water from the cooling system, while 2.3% was wastewater from the production process.

From a total quantity of discharged wastewater in the industry, 96.7% includes wastewater from the section Electricity, gas, steam and air conditioning supply, 3.0% from the section Manufacturing and 0.2% from Mining and quarrying section.

Primary treatment with 85.8% is the most often used treatment at the industry sections, then followed by a secondary treatment with 9.9% and tertiary treatment with 4.2%.

1. Water used in the industry

Republic of Serbia		millions m ³	
Sections (CA)	2016	2017	
Water use - total ²⁾	3 426	4 045 ¹⁾	
Mining and quarrying	9	14	
Manufacturing	119	143	
Electricity, gas, steam and air conditioning supply	3 298	3 888	

¹⁾ Hydroelectric power plant flowing water for 2017 amount to 161.866 millions m³.

²⁾ A division Waste collection, treatment and disposal activities; materials recovery is included.

2. Water discharged from the industry, 2017

Republic of Serbia

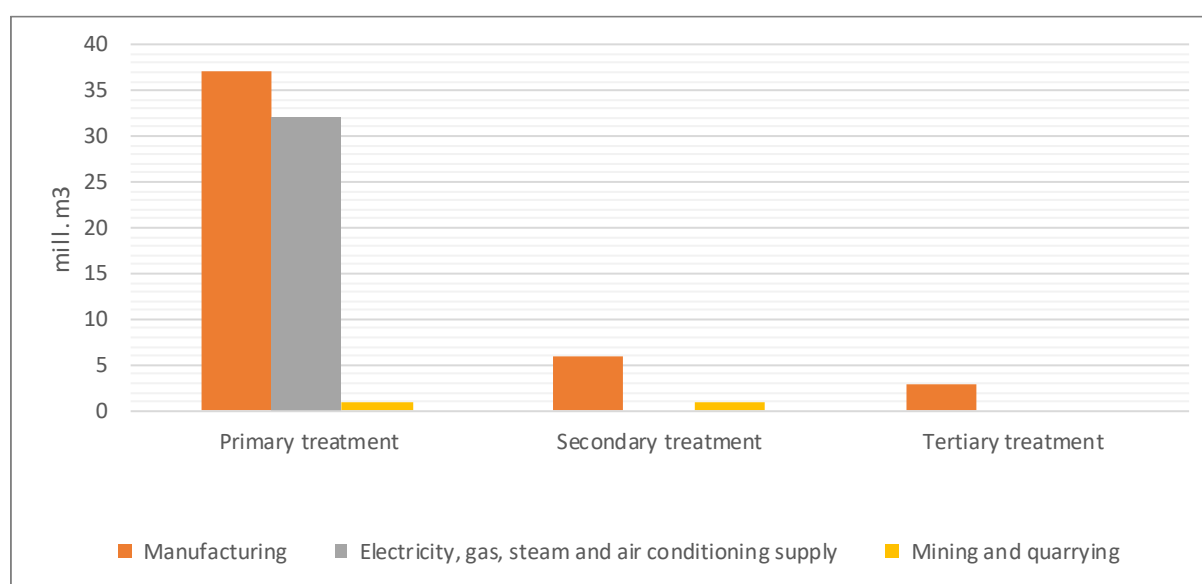
millions m³

Sections (CA)	Total	Untreated water	Treated water
Discharged water ¹⁾²⁾	4 001	3 919	82
Mining and quarrying	8	6	2
Manufacturing	121	74	47
Electricity, gas, steam and air conditioning supply	3 871	3 839	33

¹⁾ Flowing water from hydroelectric power plants are not included.

²⁾ A division Waste collection, treatment and disposal activities; materials recovery is included.

Chart 1. Treated water in the industry based on the type of treatment and sections



Methodological explanations on water usage and protection against pollution are to be found on the website of the Statistical Office of the Republic of Serbia: <http://webrzs.stat.gov.rs/WebSite/Public/PageView.aspx?pKey=201>.

Since 1999 the Statistical Office of the Republic of Serbia does not dispose of certain data for AP Kosovo and Metohija, therefore they are not included in the scope of data for the Republic of Serbia (in total).

Data series on water usage and protection against pollution are available within the Statistical Office database: <http://webrzs.stat.gov.rs/WebSite/public/ReportView.aspx>, as well as as a part of Statistical Office publications: <http://webrzs.stat.gov.rs/WebSite/Public/PageView.aspx?pKey=200>.

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