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Water use and protection against pollution in the industry *2013*

The release comprises selected statistical data on captured, used and waste water from the industry in 2013.

Of the total 4 568 858 thousands m³ of captured water, there are 4 568 156 thousands m³ of water from the own water supply system (surface water 99,80%, underground water 0,20%), and 702 thousands m³ from the public water supply.

Specially pointed out are the following areas of activity: Electricity, gas, steam and air-conditioning supply; Manufacture of basic metals and fabricated metal products, except machinery and equipment; Manufacture of food products, beverages and tobacco products and other manufacturing, and repair and installation of machinery and equipment, which capture and use 99.99% of the total water quantity.

Table 1. Volume of water for industry by abstraction, 2013

in thousands m³

	Total	From the own water supply system	From the public water supply system
Mining	**178**	132	46
Manufacturing	**10 305**	9 707	598
Electricity, gas, steam and air-conditioning supply	**4 558 375**	4 558 317	58
Total	**568 858**	**4 568 156**	**702**

Table 2. Areas of activity with the highest capture, 2013

in thousands m³

	Total	From the own water supply system	From the public water supply system
Electricity, gas, steam and air-conditioning supply	**4 558 375**	4 558 317	58
Manufacture of basic metals and fabricated metal products, except machinery and equipment	**9 282**	9 213	69
Manufacture of food products, beverages and tobacco products	**652**	404	248
Mining	**178**	132	46

Of the total water used in the industry, there are 99,77% of water used in sector Electricity, gas and steam supply, air-conditioning, while there are 0.23% of water used in sectors Mining and Manufacturing.

Table 3. Water used in industry by purpose, 2013

in thousands m³

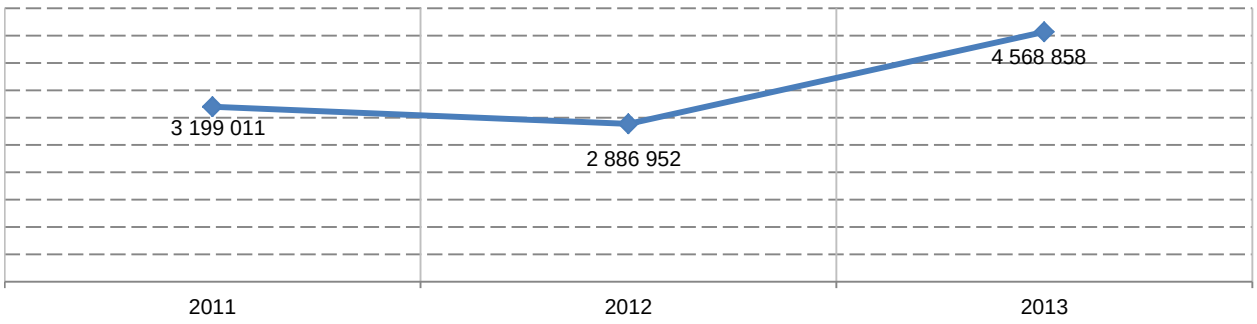
	Total	For technological process	For sanitary needs	For other purposes
Mining	177	153	6	18
Manufacturing	8 951	7 483	373	1 095
Electricity, gas, steam and air-conditioning supply	4 558 375	4 557 846	53	476
Total	**4 567 503**	**4 565 482**	**432**	**1 589**

Of the total industrial waste water, there are 93,56% from sector Electricity, gas and steam supply, and air-conditioning supply, the highest user of water, and the rest 6,44% are from Mining and other areas of Manufacturing.

Table 4. Waste water from industry, 2013

	Total waste water[1] in thousands m³	Share of waste water by activity areas in %
Mining	62	0,70
Manufacturing	8 675	93,56
Electricity, gas, steam and air-conditioning supply	533	5,74
Total	**9 270**	**100**

Graf 1. Use of water in industry 2010-2013 (in thousands m³)



The total quantity of used water in 2013 compared with 2012 increased by 58%, while compared with 2011 it increased by 42,8%.

[1] Running waters excluded (as for HE power stations, etc.).

METODOLOŠKA OBJAŠNJENJA

Izvještaj o korišćenju i zaštiti voda od zagađivanja iz industrije dostavlja se izvještajnom metodom na godišnjem nivou.

Cilj ovog istraživanja je prikupljanje podataka o količinama zahvaćenih, korišćenih i ispuštenih voda u industriji.

Izvještajne jedinice su svi poslovni subjekti sa 10 i više zaposlenih, čija je osnovna djelatnost razvrstana prema Klasifikaciji djelatnosti 2010 u sektorima: Rudarstvo, Prerađivačka industrija i Snabdijevanje električnom energijom, gasom, parom i klimatizacija.

Izvori podataka jesu knjigovodstvena i druga evidencija i dokumentacija kojom raspolaže izvještajna jedinica. U slučaju da za neke podatke ne postoji odgovarajuća dokumentacija i evidencija, stručno lice vrši procjenu.

Korišćene vode su sve količine vode kojima su se izveštajne jedinice u toku izvještajne godine snabdijevale i koje su koristile u obavljanju svoje proizvodne djelatnosti.

Sopstveni vodozahvat je svako zahvatanje vode od strane korisnika za njihovu krajnju potrošnju.

Otpadne vode su one koje se nakon korišćenja odvode do uređaja za prečišćavanje ili ispuštaju u neki recipijent (zemlja, površinske vode). Ovdje se ne uključuju atmosferske ni protočne vode koje pokreću hidroelektrane.

Prečišćene otpadne vode jesu one količine otpadnih voda koje se tokom izvještajne godine prečišćavaju.

Površinske vode su sve protočne ili stajaće vode na površini Zemlje. Tu spadaju izvori, rijeke (vodotoci), jezera, akumulacije itd., kao i vještački stvoreni vodotoci radi navodnjavanja, stvaranja plovnih kanala isl.

Podzemne vode su zalihe vode u podzemnim formacijama.

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