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Water use and protection against pollution in the industry *2011*

The release comprises selected statistical data on captured, used and waste water from the industry in 2011.

Of the total 3.199.011 thousands m³ of captured water, there are 3.197.835 thousands m³ of water from the own water supply system (surface water 99.7%, underground water 0.3%), and 1.176 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 99.96% of the total water quantity.

1. Volume of water for industry by abstraction, 2011

in thousands m³

	From the own water supply system	From the public water supply system	Total
Mining	142	95	237
Manufacturing	25788	953	26741
Electricity, gas, steam and air-conditioning supply	3171905	128	3172033
Total	**3197835**	**1176**	**3199011**

Areas of activity with the highest capture, *in thousands m³*

Electricity, gas, steam and air-conditioning supply	3171905	128	3172033
Manufacture of basic metals and fabricated metal products, except machinery and equipment	15015	119	15134
Manufacture of food products, beverages and tobacco products	10396	188	10584
Other manufacturing, and repair and installation of machinery and equipment	192	61	253

Of the total water used in the industry, there are 99.27% of water used in sector Electricity, gas and steam supply, air-conditioning, while there are 0.73% of water used in sectors Mining and Manufacturing.

2. Water used in industry by purpose, 2011

in thousands m³

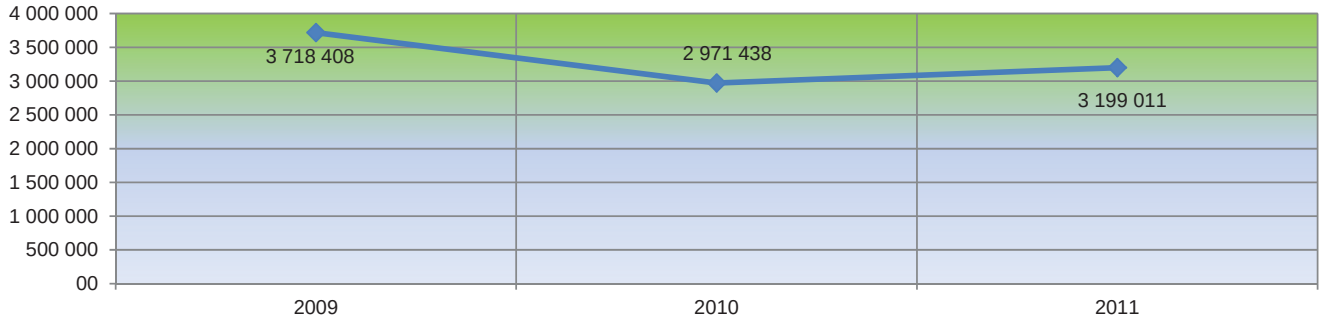
	For technological process	For sanitary needs	For other purposes	Total
Mining	213	5	19	237
Manufacturing	20635	692	1736	23063
Electricity, gas, steam and air-conditioning supply	3171434	92	507	3172033
Total	**3192282**	**789**	**2262**	**3195333**

Of the total industrial waste water, there are 95.5% from sector Electricity, gas and steam supply, and air-con, the highest user of water, and the rest 4.5% are from Mining and other areas of Manufacturing.

1. Waste water from industry, 2011

		in thousands m³
	Total waste water[1]	Share of waste water by activity areas
Mining	106	0.7
Manufacturing	15093	95.5
Electricity, gas steam and conditioning Supply	599	3.8
Total	**15798**	**100**

1.1. Use of water in industry (in thousands m³)



The total quantity of used water in 2011 compared with 2010 increased by 7.7%, while compared with 2009 it decreased by 14%.

METHODOLOGICAL NOTES

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

The report on use and protection of water against the pollution in the industry is submitted by the reporting method at the annual level.

The purpose of this survey is to collect the data on the quantities of captured, used and discharged water within the industry.

The reporting units are business entities with ten and more employees whose main activity is classified according to the Classification of Activities 2010 in sectors: Mining, Manufacturing and Electricity Supply.

Data sources are accounting and other records, and documents possessed by a reporting unit. If there are no adequate documents and records for certain data, a person with appropriate expertise performs the assessment.

Water used is all quantities of water supplied to reporting units, and which were used in production activity during the reporting unit.

The own water supply system is every supply of water by the side of users for their final consumption.

Waste water is water treated as the waste after being used, and transported to purification plants, or drained out (underground water, surface waters). Waste water quantities do not include atmospheric or running waters (used for hydroelectric power stations).

Purified waste water is the quantity of waste water purified during the reporting year.

Surface water is all water running or stagnant at the surface of Earth. It includes springs, rivers, lakes, reservoirs, etc., as well as artificially made channels for the purposes of irrigation, waterways, and similar.

Underground water is the water resource in underground formations.

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