REPUBLIC OF SERBIA
Statistical Office of the Republic of Serbia

Questionnaire: VOD-1

Law on Official Statistics,
"Official Gazette", No 104/2009

Code of the survey: 011010

SURVEY ON WATER USE AND PROTECTION AGAINST POLLUTION FOR 2017

The obligation for provide data is laid down in Article 26, and penalty provisions in Article 52 of the Law on Official Statistics ("Official Gazette of RS", No 104/2009).
Data will be used for statistical purposes only and will not be published in form of individual data. All data are subject to confidentiality.

This questionnaire can be Filled in electronically. The electronic form is available at: pod2.stat.gov.rs/unos or www.stat.gov.rs (part quick links) or www.euprava.gov.rs.

Data on the reporting unit:

1. **Company name** _____

_____
(name of the legal person – local incorporated unit)

2. **Registration number** _____ | | | | | | | | |

Sequence number of the part of the legal person - local incorporated unit _____ | | | | |

3. **Tax identification number** _____ | | | | | | | | |

4. **Activity** _____ | | | | |

5. **Municipality** _____ | | | | |

Settlement _____ Phone number _____ | | | | | |

Address _____ Street number _____

Sequence number of the regional office | |

Sequence number of the questionnaire from the address book | | |

Remarks:

On_____ 2018

Filled in by: Head:

_____ (Seal) _____
(first and last name) (first and last name)

Contact phone number: | | | | | / | | | | | | | |
(call sign requested)

e – mail _____

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Table 1. Water abstraction and supply in 2017

			Name of the settlement where the water abstraction source is /name of the river, basin or public utilities company	Registration number of the settlement/public utilities company or code of the rivers/basins **(to be filled by statistics)**	Abstracted water (thous. m^3)
			1	2	3
1.	Own abstractions	Underground waters			
		Spring waters			
		From rivers			
		From basins			
2. From public water supply					
Total abstracted water quantities			xxx	xxx	

Note: In abstracted water from public water supply is necessary to include only water abstracted from public water supply system.

Table 2. Water use, thous. m^3

		Cooling waters			Flowing waters in hydropower plants	Water used in the production process		Sanitary waters (for drinking and personal hygiene)	Use for other purposes (transport of raw materials, washing and maintenance of devices and production sections)	**Total (1+2+4+5+7+8)**
		For electricity generation	Others	Of which: Evaporated		Total	Of which: incorporated in the product			
		1	2	3	4	5	6	7	8	9
1. Own abstraction	Underground waters				xxx					
	Spring waters				xxx					
	From rivers									
	From basins									
2. From public water supply		xxx			xxx					
Total abstracted water quantities										

Table 3. Wastewater discharge, thous. m^3

		Name of the settlement where the water abstraction source is /name of the river, basin or public utilities company	Registration number of the settlement/public utilities company or code of the watercourse/ accumulation **(to be filled by statistics)**	**Wastewater discharged**					Surface runoff	**Total (3+5+6+7)**
				Non treated		**Treated**				
				Total	Of which: For cooling	Primary treatment (physical/ chemical)	Secondary treatment (physical/biological)	Tertiary (physical/ chemical/ biological)		
		1	2	3	4	5	6	7	8	9
1. Own water body	In the country (lagoons and septic tanks)									
	In rivers									
	In basins									
2. In public sewerage system										
Total discharged wastewater		xxx	xxx							

Table 4. Wastewater treatment

		Primary treatment[1] (physical/ chemical)	Secondary treatment[2] (physical/biological)	Tertiary treatment[3] (physical/ chemical/ biological)
		1	2	3
Designed capacity of the device	Hydraulic load - water flow, m^3/day			
	BOD_5, kg O_2/day			
	COD, kg O_2/day			
	Suspended particles, kg O_2/ day			
	Nitrogen, total mg/l			
	Phosphorus, total mg/l			
Realized capacity of the device	Hydraulic load - water flow, m^3/day			
	BOD_5, kg O_2/day			
	COD, kg O_2/day			
	Suspended particles, kg O_2/ day			
	Nitrogen, total mg/l			
	Phosphorus, total mg/l			
Effluent	Hydraulic load - water flow, m^3/day			
	BOD_5, kg O_2/day			
	COD, kg O_2/day			
	Suspended particles, kg O_2/ day			
	Nitrogen, total mg/l			
	Phosphorus, total mg/l			

[1] **Primary treatment of waste waters** by physical and/or chemical procedure includes the collection of suspended particles, and other processes in which BOD is reduced to at least 20% before being discharged. It also covers the total suspended particles of incoming wastewaters reduced to at least 50%.

[2] **Secondary treatment of wastewaters** include biological treatment with secondary collection or by other by other processes, which result as to COD is a reduction of at least 70% and as to COD a reduction of at least under 75%.

[3] **Tertiary treatment** is the next wastewater treatment process after the secondary treatment of nitrogen and/or phosphorous and/or any other pollutant affecting the quality and specifically the use of water: microbiological pollution reduced up to at least 95% for BOD and 85% for COD, being: at least 70% nitrogen removal, at least 80% phosphorous removal and microbiological removal until a coliform density of 1000 in 100 ml is reached.

If treated wastewaters are reused, enter the quantities in table 5.

Table 5. Reused water , thous m^3

Purpose	**Reused water**
Cooling waters	
For sanitary purposes	
Transport of raw materials	
Washing and maintenance of devices and production sections	
Given / Sell to other	
Other (specify)	
Total	

INSTRUCTION for completing questionnaire VOD - 1

The questionnaire VOD–1 is to be filled in by all legal entities which abstract, use and discharge water.

TABLE 1. WATER ABSTRACTION AND SUPPLY
ROW 1. Own water abstraction source owned by the enterprise or the local incorporated units which fill in the questionnaire.
ROW 2. Data on public water supply system and total quantities of water bought from public water supply system are to be recorded.
Total quantities of abstracted water are obtained by adding up the quantities of waters from own abstraction source and from public water supply system.
COLUMN 1. Indicate the name of the settlement on which territory the water abstraction source for underground/or spring waters is located; the name of the river and basin from which water is abstracted; the name of the public water supply system from which water is purchased.
COLUMN 2. – **To be filled in by Statistics**: the registration number of the settlement on which territory the water abstraction source is located; the code of the river and/or basin; the registration number of the public water supply system from which water has been purchased.
COLUMN 3. Indicate the total quantities of water abstracted or purchased by the enterprise.

TABLE 2. WATER USE
Water quantities abstracted from own abstraction source or purchased from the public water supply system are to be indicated according to their end-use as:
COLUMN 1. Cooling waters in electricity generation
COLUMN 2. Cooling waters in used in section of Manufacturing
COLUMN 3. Evaporated water
COLUMN 4. Flowing waters in hydropower plants.
COLUMN 5. Waters used in the process of production.
COLUMN 6. Waters in the process of industry incorporated in the product (e.g. food and beverage production, various acids production, as well as fillers in wood industry, etc.).
COLUMN 7. Waters for sanitary purposes (for hand washing, bathing, food preparation, etc.).
COLUMN 8. Water used for other purposes (e.g. washing and maintenance of production sections and devices, transport of raw materials, etc.).
COLUMN 9. The total quantities of wastewaters as the sum of columns 1, 2, 4, 5, 7 and 8 are to be indicated.

TABLE 3. WASTEWATER DISCHARGE
Wastewaters are waters which after being treated are taken to the treated plants or have direct discharge in recipient (earth, surface water). Flowing waters in hydropower plans and cooling waters are not considered wastewaters.
Wastewater discharge in own water body implies direct discharge through own sewerage/water supply network.
COLUMN 1. Indicate the name of the settlement on which territory the water body is located, the name of the river or basin in which water is discharges and the name of the public enterprise in which sewerage wastewaters are discharged.
COLUMN 2. To be filled in by Statistics: Indicate the registration number of the settlement on which territory wastewaters are discharged, the code of the river/basin from the code list, and the registration number of the public utilities enterprise in which sewerage network wastewaters are discharged.
COLUMN 3. Indicate the quantity of non treated wastewaters discharged in the water body.
COLUMN 4. Indicate the quantity of discharged cooling water.
COLUMN 5, 6 and 7 Indicate the quantity of treated wastewaters discharged in the water body according to the type of treatment used (primary, secondary and/or tertiary).
COLUMN 8. Indicate the quantity of discharged surface runoff.
COLUMN 9. Indicate the total quantities of discharged wastewaters (the sum of columns 3, 5, 6, and 7)

TABLE 4. WASTEWATER TREATMENT
Indicate the type of device used for treatment (design or realized), effluent and data on quality of wastewater. The type of the device used must correspond to the wastewaters treatment process in table 3.
Effluent relates to technological wastewaters that are, as treated or untreated, discharged into public sewerage systems or surface waters, as well as wastewaters from public sewerage systems that are discharged into surface waters as treated or untreated.
NOTE below is to indicate the name of institution that performed measuring.

TABLE 5. REUSED WATER
Indicate total quantities of reused waters that were treated by wastewater treatments and were reused for: cooling, sanitary purposes, transport of raw materials, washing and maintenance of devices and production sections, for other purposes (e.g. irrigation, in agriculture) or that are being given or sold, and that were afterwards discharged into underground or surface watercourses. Wastewaters discharged in watercourses and re-abstracted, as well as used waters (used by other reporting unit) from the same watercourse are not to be taken as reused waters.

Electronic form of the questionnaire and methodological explanation are available on the website of the Statistical Office of the Republic of Serbia: **www.stat.gov.rs**.