Template for summary reports in accordance with article 7 of the Protocol on Water and Health

adopted by the Meeting of the Parties at its second session (Bucharest, 23-25 November 2010)

Part One

Gener	al aspects				
1. Protoc	_	and targ	et dates establ	ished in your country	in accordance with article 6 of the
YES		NO	×	IN PROGRESS	
2.	Were they pub	olished	and, if so, how	??	
public	etent authorities	s for se took tl	etting targets? he leadership	If so please describe and coordinating roll	ements for coordination between e, including information on which le, which public authorities were
and th	e national or lo	ocal arra	angements for	-	and Herzegovina 11 January 2012 n competent authorities for setting t.
4.		ng nati	onal and inte	ernational strategies	and legislation were taken into
-	g in mind that I egard of those a		_	na has not set targets	and target dates yet, all questions
5.	Was cost-bene	efit anal	lysis of targets	set performed, and if	so how?
Not ap	plicable				
		with ar	ticle 6, paragra	•	articipation in the process of target he outcome of public participation

Not applicable

7. Provide information on the process by which this report has been prepared, including information on which public authorities had the main responsibilities, which other stakeholders were involved, etc.

In accordance with the Constitution of Bosnia and Herzegovina (BiH) and the Constitutions of the Federation Bosnia and Herzegovina (FBiH) and the Republic of Srpska (RS) as well as the Arbitration Decision for the Brčko District (BD BiH), the competences for water management in BiH are at the level of the Entities and the BD BiH.

Based on the Article 9, paragraph (2) of the Law on Ministries and Other Bodies of Administration of Bosnia and Herzegovina¹, the BiH Ministry of Foreign Trade and Economic Relations is competent to carry out tasks and activities which are under competences of BiH pertaining to the definition of policy, basic principles, coordination of activities and harmonization of plans of entity authorities and institutions at international level in the fields of agriculture, energy, environmental protection, development and utilization of natural resources, and tourism.

Regarding the fulfillment of international obligations of BiH, i.e. obligations arising from the signed conventions, agreements, contracts, etc., as well as cooperation with international organizations and donors on the basis of projects in the water sector, the Ministry of Foreign Trade and Economic Relations conducts regular consultations, coordination and harmonization of activities and opinions of both Entities and the BD BiH. Furthermore, a significant number of representatives from both Entities, particularly experts from the water sector, are engaged in various international working groups as members of such bodies or as contact points, through the Ministry of Foreign Trade and Economic Relations. Joint meetings of representatives of all key institutions for water management are organized several times during the year in accordance with the needs and issues requiring agreement for further actions. Written, electronic and any other communication between the representatives of key institutions is done on a daily basis. Analysis of effectiveness of coordination system between institutions in BiH identified room for further improvement of the coordination system, and thus the draft Rules on performance of coordination activities and tasks in the field of water resources management have been developed.

Entity laws, the FBiH Law on Waters and the RS Law on Waters, regulate water management in the Entities and set the basis for coordination of various subjects in their territories, considering that water management at the entity level involves many subjects.

8. Report any particular circumstances that are relevant for understanding the report, e.g., whether there is a federal and/or decentralized decision-making structure, or whether financial constraints are a significant obstacle to implementation (if applicable).

According to the Constitution, Bosnia and Herzegovina is decentralized state with two entities (Federation of Bosnia and Herzegovina and Republic of Srpska) and Brcko District. FBH consists of 10 cantons (each canton has its Government and Constitution) and 84 municipalities, while RS has 63 municipalities without cantons. In both entities, municipalities are local administrative units. Brcko District is formed in 2000, as separate administrative unit which is belonging to the territory of both entities but administratively it is under direct sovereignty of Bosnia and Herzegovina.

9. Please describe whether and, if so, how emerging issues relevant to water and health (e.g., climate change) were taken into account in the process of target setting.

Not applicable

 $^{^1\} Official\ Gazette\ of\ BiH\ No.\ 5/03,\ 42/03,\ 26/04,\ 42/04,\ 45/06,\ 88/07,\ 35/09,\ 59/09,\ 103/09$

Part Two

Common indicators²

I. Quality of the drinking water supplied

A. Context of the data

Please provide general information related to the context of the data provided under sections B and C below:

1. What is the population coverage (in millions or per cent of total national population) of the water supplies reported under this indicator?

It is estimated that 97.3% of households in the RS have safe source of drinking water. Percentage of population with connection to water supply in house/apartment is different in relation to area and type of settlement by region: East Sarajevo (95.9%), Doboj (94.2%), Banja Luka (93.1%), Trebinje (91.8%) and Bijeljina (89.4%). In Republika Srpska percentage of more than 50% of households have city water as the main source of drinking water, local water supply systems are in the second place, and some kind of a well in the third place (drilled or dug covered well) or some other form of supply.

Research conducted by the Institute of Public Health in year 2010/11 refers to the number of representative households for the Republic of Srpska (master sample-with 1866 households an average of 2,5 persons and 4 total expected 500 people).

The level of population of FBiH coverage by public water supply is usually expressed in percentage compared to the total population of the area. In the Federation of BiH public water supply serves mainly the residents of municipal centers, possibly with suburbs connected to city water. According to the Water Management Strategy in the Federation of Bosnia and Herzegovina, adopted 2011th year, the average percentage of population water supply systems for Sava River Basin is 60%, and the Adriatic Sea RBD 58%. On average, for the Federation this percentage of coverage is about 60%. Article 4 Water Law of the Federation of BiH: Public water supply means the activities of groundwater abstraction or surface water for water supply of the population, their treatment to the level of safety and transport to the place of consumption and distribution of water users, if the total affected volume greater than 10 m3/day

2. Do the water supply systems reported here supply the urban population only or both the urban and rural populations?

RS Urban and Rural

FBiH Urban

3. Specify where the samples/measurements are taken (e.g., treatment plant outlet, distribution system or point of consumption).

For sampling, laboratory testing (microbiological, physical and chemical, radiological, and other parameters) and interpretation of the results obtained using the ISO 5667 series of standards in accordance with the requirements of accreditation and ISO 17 025 and ISO 9 001.

² In order to allow an analysis of trends for all Parties under the Protocol, please use wherever possible 2005 — the year of entry into force of the Protocol — as the baseline year.

4. In the reports, the standards for compliance assessment signify the national standards. If national standards for reported parameters deviate from the WHO guideline values, provide information on the values (standards) used for calculation. ³

The same limit values as established by the EU Council Directive 98/83/EC are used for calculation.

BiH Food Safety Agency collects, processes and analyzes data on the sanitary quality of drinking water, which are regularly submitted to laboratories for food control in BiH. Table below presents the sanitary quality of drinking water from public water supply systems in BiH in relation to the legislation in force in BiH:

Public Water Supply, 2009					
Physico-chemic	cal Analysis	Microbiolog	gical analysis		
Total Inadequate		Total	Inadequate		
14 666	2 056	18 306	2 245		
	(14.02%)		(12.26%)		
Total analyses		32 972	·		
Inadequate		4 301 (13.05	(%)		

Public Water Supply, 2010					
Physico-chemic	cal Analysis	Microbiological analysis			
Total Inadequate		Total	Inadequate		
12 201	2 034(16.67%)	21 484	2 111 (9.82%)		
Total analyses		33 685			
Inadequate		4 145 (12.28%)			

Public Water Supply, 2011					
Physico-chem	nical Analysis	Microbiologica	Microbiological analysis		
Total	Inadequate	Total	Inadequate		
13 532	1 119	18 180	1 163 (6.40%)		
	(14.38%)				
Total analyses		31 712			
Inadequate		2 282 (7.20%)			

Public Water Supply, 2012 (01.0130.06.2012.)					
Physico-chemical Analysis Microbiological analysis					
Total	Inadequate	Total Inadequate			
7.111	942 (13.25%)	9 677	911 (9.41%)		
Total analyses 16 788					
Inadequate		1 853(11.04%)			

³ In order to ensure consistency and quality of the data sets resulting from sampling programmes, countries may wish to consider ensuring compliance with appropriate international standards for sampling programmes. Examples of such international standards are the ISO 5667 family of standards, in particular:

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^{• 5667-1:2006} Guidance on the design of sampling programmes and sampling techniques;

^{• 5667-3:2003} Guidance on the preservation and handling of water samples;

^{• 5667-5:2006} Guidance on sampling of drinking water from treatment works and piped distribution systems;

^{• 5667-11:2009} Guidance on sampling of groundwaters.

Rules on the sanitary quality of drinking water⁴ prescribe the requirements and standards that must be met by drinking water, the maximum allowed value of sanitary quality parameters, methods for laboratory tests, and measures to monitor sanitary quality of drinking water. Objective of these Rules is to protect human health from adverse effects of any contamination of water intended for drinking through ensuring sanitary quality of water. BiH Food Safety Agency initiated, proposed and created these Rules in cooperation with the competent bodies of the Entities and BD BiH. They were harmonized with the Council Directive 98/83/EC of 3 November 1998.

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⁴ Official Gazette of BiH no. 40/10 and 30/12

B. Bacteriological quality

Indicator to be used: WatSan_S2: The percentage of samples that fail to meet the national standard for *E. coli* and the percentage of samples that fail to meet the national standard for *Enterococci*.

WatSan_S2	Baseline value 2005(%)	Current value 2012(%)
E. coli	RS: 5,7	RS 1,4; FBiH: 3,6
Enterococci	RS: 13, 2	RS 2,2; FBiH:2,1

C. Chemical quality

Indicator to be used: WatSan_S3. All countries shall monitor and report on the percentage of samples that fail to meet the national standard for chemical water quality with regard to the following:

- Fluoride;
- Nitrate and nitrite;⁵
- Arsenic;
- Lead;
- Iron.

Parties shall also identify five additional physico-chemical parameters that are of special concern in their national or local situation (e.g., pesticides).

Substance	Baseline value RS 2005	Current value RS 2010
Fluoride	RS -	
Nitrate and nitrite	RS 0,7 %	RS 0.4%;
Arsenic	RS -	RS -
Lead	RS -	RS -
Iron	RS 0.09%	RS 0.01%;
Additional physico-chemical ⁶ parameter 1: Mercury		
Additional physico-chemical parameter 2:cadmium		
Additional physico-chemical parameter 3:nickel		
Additional physico-chemical parameter 4:Cyanide		
Additional physico-chemical parameter 5:Detergents		

⁶ It is recommended to take into account new and emerging pressures such as climate change or agriculture practices.

⁵ As defined in the WHO Guidelines for drinking-water quality.

II. Reduction of the scale of outbreaks and incidence of infectious diseases potentially related to water

In filling out the following table, please specify if the numbers reported are related to all exposure routes or only related to water (in which there is epidemiological or microbiological evidence for water to have facilitated infection).⁷

	Incidence (Incid. Rate ⁰ /0000)		Number of outbreaks (Incid. Rate ⁰ /0000)	
	Baseline RS 2006;	Current value RS 2010;	Baseline RS 2006;	Current value RS 2010
Cholera	-	-	-	-
Bacillary dysentery (shigellosis)	0.2	0.2	3	3
EHEC ^a	Do not typing of pathogens			
Viral hepatitis A	2.5	2.7	35	38
Typhoid fever	-	-	-	-

^a Enterohaemorrhagic E. coli.

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⁷ If possible, please distinguish between autochthonous and imported cases

III. Access to drinking water

Percentage of population with access to drinking water	Baseline value 2002(%)	Current value 2012(%)*
Total	RS: 79,1	RS: 99,5
		FBiH: 99,6
Urban	RS: 98,1	ВіН: 98,7
Rural	RS: 62,4	ВіН: 96,1

^{*}Source: Household Survey (PHI) RS, 2002 and 2010 and MICS, 2012

Please specify how access to drinking water is defined and calculated in your country.

The percentage of households in the Repupublic of Srpska by main source of drinking water, 2010 year (Source: PHI RS, 2010/11):

Central water supply 50,3% Rural(local) water supply 21,8% Public fountain 0,3% Well Drilled 11,6 % Overed by the dug wells or regulated source 11,0% Bottled water 2,3% Others 2,7%

The WHO/UNICEF⁸ Joint Monitoring Programme (JMP) for Water Supply and Sanitation defines access to water supply in terms of the types of technology and levels of service afforded. Access to water-supply services is defined as the availability of at least 20 litres per person per day from an "improved" source within 1 kilometre of the user's dwelling. An "improved" source is one that is likely to provide "safe" water, such as a household connection, a borehole, a public standpipe or a protected dug well.

If your definition of access to drinking water from which the above percentages are calculated differs from that provided by the JMP, please provide the definition and describe your means of calculation.

IV. Access to sanitation

Percentage of population with access to sanitation	Baseline value 2002 (%)	Current value 2010/2012(%)
Total	RS: 75,9	RS: 92,6/89
Urban	RS:95,7	RS 99,8/98,1;
		BiH: 98,7
Rural	RS: 58,6	RS 88,2/85,2;
		BiH: 92

*Source: Household Survey (PHI) RS, 2002 and 2010 and MICS, 2012

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⁸ United Nations Children's Fund.

Please specify how access to sanitation is defined and calculated in your country.

RS- Percentage of the poulation that has a toilet in the household with convencional sewer connection and septic tank

Percentaga of households with a toilet to flush the connection to the sewer network is significantly higher in urban (76,4%) than rural areas (18,8%), which is above the national average (92,6%). Flushing a toilet with connection ta a septic tank 48,9% of households in Republic of Srpska. Percentage of households with flush toilet with connection to the septic tank is significantly higher in rural areas (65,2%) than in urban (23,2%).

RS Based on the data collected from the questionnaires in 2011, about 81% of local municipalities have sewerage systems with different scope (average degree of connections is 36%), while 19% of municipalities have no sewerage system.

RS has around 1500 km of sewerage network for fecal and precipitation waters. Over 50% of settlements have a mixed type of sewerage systems, which are old, outdated and have insufficient capacity.

45 % of consumers of water are connected to sewerage systems and 60% of those are in urban areas.

Less than 15% of settlements in the RS have some form of treatment, and it's mostly mechanical filtration and sedimentation. Only four urban wastewater treatment plants with related small industries have been built.

FBiH According to estimated data approximately 761,000 citizens or about 33% of the total population (2,327,512) are connected to public sewerage systems in the FBiH. The characteristic of most populated areas in the territory of the FBiH is the lack of a unified system for collection (and treatment) of waste water, and the fact that waste water and precipitation are usually collected by mixed sewerage system and transported to the nearest receptor by the shortest possible route. FBiH currently has a total of nine (9) plants for treatment of waste waters from citizens with total capacity of 94,000 population equivalents (PE).

V. Effectiveness of management, protection and use of freshwater resources

Water quality

On the basis of national systems of water classification, the percentage of the number of water bodies or the percentage of the volume (preferably) of water⁹ falling under each defined class (e.g., in classes I, II, III, etc. for non-EU countries; for EU countries, the percentage of surface waters of high, good, moderate, poor and bad ecological status, and the percentage of groundwaters/surface waters of good or poor chemical status).

For non-European Union Countries

Status of surface waters

In Bosnia and Herzegovina, surface waters monitoring in accordance with WFD has not been established yet.

RS - Surface waters monitoring has been performed in Republic of Srpska since the year of 2000. Stated assessment of surface water classes was made in accordance with Rules for waters classification and watercourse characterization (Official gazette Republic of Srpska 41/01).

FBiH - Results stated below refers to number of sampling station not for water bodies on area on Watershed of the Adriatic sea. Currently they are in process of delineation and classification (characterisation) of water bodies according requirements of WFD.

Percentage of surface water falling under class ^a	Baseline value 2005 (%)	Current value 2012(%)	
I	RS: Ph-ch and chem param 72 RS: Micro-biological param - 4	RS: Ph-ch and chem param - 69 RS: Micro-biological param - 4 FBiH***: 52	
II	RS: Ph-ch and chem param - 17 RS: Micro-biological param - 49	RS: Ph-ch and chem param -17 RS: Micro-biological param - 49 FBiH***: 37	
III	RS: Ph-ch and chem param - 6 RS: Micro-biological param -37	RS: Ph-ch and chem param - 7 RS: Micro-biological param -33 FBiH***: 11	
IV		RS: Ph-ch and chem param - 4 RS: Micro-biological param - 10 FBiH***: 0	
V	RS: Ph-ch and chem param - 3 RS: Micro-biological param - 5	RS: Ph-ch and chem param - 2 RS: Micro-biological param - 4 FBiH:	
Total number/volume of water bodies classified*	RS: Ph-ch and chem - 23 RS: Micro-biological - 23	RS: Ph-ch and chem param - 61 RS: Micro-biological - 20 FBiH: 27	
Total number/volume of water bodies in the country**	Not applicable	Not applicable	

Rename and modify the number of rows to reflect the national classification system.

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^{* -} number of sampling points

^{** -} not established yet

^{***-} Evaluation is provided on a yearly average basis for concentration of dissolved oxygen, biological oxygen demand (BOD₅), chemical oxygen demand –permanganate (COD_{Mn}) saprobic index, suspended solids, pH, radioactivity, microbiology- coliforms

⁹ Please specify.

Status of groundwaters

FBiH - there are no standards for groundwaters in terms of EC classification bad or good quality and it will be defined after completion of characterisation process

RS- ground water monitoring in accordance with WFD has not been established yet. Stated assessment of groundwater classes in Republic of Srpska was made in accordance with Book of rules for waters classification and watercourse characterization (Official gazette Republic of Srpska 41/01).

Percentage of groundwaters falling under class	Baseline value 2005	Current value 2006
Ι	81	88
II	16	11
III	3	1
IV	0	0
V	0	0
Total number/volume of groundwater bodies classified*	33	33
Total number/volume of groundwater bodies in the country**	Not applicable	Not applicable

Rename and modify the number of rows to reflect the national classification system.

^{* -} number of sampling points ** - not established yet

For European Union countries

Ecological status of surface water bodies

Percentage of surface water classified as:	Baseline value (specify the year)	Current value (specify the year)
High status		
Good status		
Moderate status		
Poor status		
Bad status		
Total number/volume of water bodies classified		
Total number/volume of water bodies in the country		

Chemical status of surface water bodies

Percentage of surface water bodies classified as	Baseline value (specify the year)	Current value (specify the year)
Good status		
Poor status		
Total number/volume of water bodies classified		
Total number/volume of water bodies in the country		

Status of groundwaters

Percentage of groundwaters classified as	Baseline value (specify the year)	Current value (specify the year)
Good quantitative status		
Good chemical status		
Poor quantitative status		
Poor chemical status		
Total number/volume of groundwater bodies classified		
Total number/volume of groundwater bodies in the country		

Please provide any needed information that will help put into context and aid understanding of the information provided above (e.g., coverage of information provided if not related to all water resources, how the quality of waters affects human health).

Water use

Please provide information on the water exploitation index at the national and river basin levels for each sector (agriculture, industry, domestic), i.e., the mean annual abstraction of freshwater by sector divided by the mean annual total renewable freshwater resource at the country level, expressed in percentage terms.

Water exploitation index	Baseline value (specify the year)	Current value (specify the year)
Agriculture		
Industry ^a		
Domestic use ^b		

^a Please specify whether the figure includes both water abstraction for manufacturing industry and for energy cooling.

At the national and river basin levels for each sector there is no data on the water exploitation index.

RS- Mean annual abstraction of freshwater for the public water supply system in period 2004 - 2008: 486 millions m₃/year

Industry in 2011- 27.186.135 m³/year or in average 862 L/s Industry individual supply system 44 millions m³/year

Please specify whether the figure only refers to public water supply systems or also individual supply systems (e.g., wells).

Part

Targets and target dates set and assessment of progress

I. Quality of the drinking water supplied (art. 6, para. 2 (a))

For each target set in this area:

- 1. Describe the target, target date and baseline conditions. Please include information on whether the target is national or local, and intermediate targets as relevant. Also include information on the background and justification for the adoption of the target.
- 2. Describe the actions taken (e.g., legal/regulatory, financial/economic and informational/educational, including management measures) to reach the target, having regard to article 6, paragraph 5, and, if applicable, the difficulties and challenges encountered.
- 3. Assess the progress achieved towards the target.
- 4. In the review of progress achieved towards the target, has it appeared that the target and target date need to be revised, e.g., in the light of scientific and technical knowledge? If so, and if the revised target and target date have already been adopted, please describe them.
- 5. If you have not set a target in this area, please explain why.

II. Reduction of the scale of outbreaks and incidents of water-related disease (art. 6, para. 2 (b))

For each target set in this area:

- 1. Describe the target, target date and baseline conditions. Please include information on whether the target is national or local, and intermediate targets as relevant. Also include information on the background and justification for the adoption of the target.
- 2. Describe the actions taken (e.g., legal/regulatory, financial/economic and informational/educational, including management measures) to reach the target, having regard to article 6, paragraph 5, and, if applicable, the difficulties and challenges encountered.
- 3. Assess the progress achieved towards the target.
- 4. In the review of progress achieved towards the target, has it appeared that the target and target date need to be revised, e.g., in the light of scientific and technical knowledge? If so, and if the revised target and target date have already been adopted, please describe them.
- 5. If you have not set a target in this area, please explain why.

III. Access to drinking water (art. 6, para. 2 (c))

For each target set in this area:

- 1. Describe the target, target date and baseline conditions. Please include information on whether the target is national or local, and intermediate targets as relevant. Also include information on the background and justification for the adoption of the target.
- 2. Describe the actions taken (e.g., legal/regulatory, financial/economic and informational/educational, including management measures) to reach the target, having regard to article 6, paragraph 5, and, if applicable, the difficulties and challenges encountered.
- 3. Assess the progress achieved towards the target.
- 4. In the review of progress achieved towards the target, has it appeared that the target and target date need to be revised, e.g., in the light of scientific and technical knowledge? If so, and if the revised target and target date have already been adopted, please describe them.
- 5. If you have not set a target in this area, please explain why.

IV. Access to sanitation (art. 6, para. 2 (d))

For each target set in this area:

- 1. Describe the target, target date and baseline conditions. Please include information on whether the target is national or local, and intermediate targets as relevant. Also include information on the background and justification for the adoption of the target.
- 2. Describe the actions taken (e.g., legal/regulatory, financial/economic and informational/educational, including management measures) to reach the target, having regard to article 6, paragraph 5, and, if applicable, the difficulties and challenges encountered.
- 3. Assess the progress achieved towards the target.
- 4. In the review of progress achieved towards the target, has it appeared that the target and target date need to be revised, e.g., in the light of scientific and technical knowledge? If so, and if the revised target and target date have already been adopted, please describe them.
- 5. If you have not set a target in this area, please explain why.

V. Levels of performance of collective systems and other systems for water supply (art. 6, para. 2 (e))

For each target set in this area:

- 1. Describe the target, target date and baseline conditions. Please include information on whether the target is national or local, and intermediate targets as relevant. Also include information on the background and justification for the adoption of the target.
- 2. Describe the actions taken (e.g., legal/regulatory, financial/economic and informational/educational, including management measures) to reach the target, having regard to article 6, paragraph 5, and, if applicable, the difficulties and challenges encountered.
- 3. Assess the progress achieved towards the target.
- 4. In the review of progress achieved towards the target, has it appeared that the target and target date need to be revised, e.g., in the light of scientific and technical knowledge? If so, and if the revised target and target date have already been adopted, please describe them.
- 5. If you have not set a target in this area, please explain why.

VI. Levels of performance of collective systems and other systems for sanitation (art. 6, para. 2 (e) continued)

For each target set in this area:

- 1. Describe the target, target date and baseline conditions. Please include information on whether the target is national or local, and intermediate targets as relevant. Also include information on the background and justification for the adoption of the target.
- 2. Describe the actions taken (e.g., legal/regulatory, financial/economic and informational/educational, including management measures) to reach the target, having regard to article 6, paragraph 5, and, if applicable, the difficulties and challenges encountered.
- 3. Assess the progress achieved towards the target.
- 4. In the review of progress achieved towards the target, has it appeared that the target and target date need to be revised, e.g., in the light of scientific and technical knowledge? If so, and if the revised target and target date have already been adopted, please describe them.
- 5. If you have not set a target in this area, please explain why.

VII.	Application of recognized good practices to the management of water supply, (art. 6	6,
para.	2 (f))	

For each target set in this area:

1. Describe the target, target date and baseline conditions. Please include information on whether the target is national or local, and intermediate targets as relevant. Also include information on the background and justification for the adoption of the target.
2. Describe the actions taken (e.g., legal/regulatory, financial/economic and informational/educational, including management measures) to reach the target, having regard to article 6, paragraph 5, and, if applicable, the difficulties and challenges encountered.
3. Assess the progress achieved towards the target.
4. In the review of progress achieved towards the target, has it appeared that the target and target date need to be revised, e.g., in the light of scientific and technical knowledge? If so, and if the revised target and target date have already been adopted, please describe them.
5. If you have not set a target in this area, please explain why.
Note: BiH has not yet defined the targets in accordance with Article 6 of the Protocol on Water and Health.

VIII. Application of recognized good practice to the management of sanitation (art. 6, para. 2 (f) continued)

For each target set in this area:

and Health.

1. Describe the target, target date and baseline conditions. Please include information on whether the target is national or local, and intermediate targets as relevant. Also include information on the background and justification for the adoption of the target.
2. Describe the actions taken (e.g., legal/regulatory, financial/economic and informational/educational, including management measures) to reach the target, having regard to article 6, paragraph 5, and, if applicable, the difficulties and challenges encountered.
3. Assess the progress achieved towards the target.
4. In the review of progress achieved towards the target, has it appeared that the target and target date need to be revised, e.g., in the light of scientific and technical knowledge? If so, and if the revised target and target date have already been adopted, please describe them.
5. If you have not set a target in this area, please explain why.
Note: BiH has not yet defined the targets in accordance with Article 6 of the Protocol on Water

IX.	Occurrence of	discharges	of untreated	wastewater	(art. 6.	para. 2	2(g)	(i)))

For each target set in this area:

1.	Descr	ibe the	target,	target	date an	d bas	seline co	onditions	s. Plea	se	include i	nforma	ition on
whethe	r the	target	is nati	onal o	r local,	and	interme	diate ta	argets	as	relevant.	Also	include
nform	ation o	n the b	ackgrou	nd and	justifica	tion f	or the ac	doption	of the t	arg	et.		

- 2. Describe the actions taken (e.g., legal/regulatory, financial/economic and informational/educational, including management measures) to reach the target, having regard to article 6, paragraph 5, and, if applicable, the difficulties and challenges encountered.
- 3. Assess the progress achieved towards the target.
- 4. In the review of progress achieved towards the target, has it appeared that the target and target date need to be revised, e.g., in the light of scientific and technical knowledge? If so, and if the revised target and target date have already been adopted, please describe them.
- 5. If you have not set a target in this area, please explain why.

X.	Occurrence of discharges of untreated storm water overflows from wastewater
collecti	on systems to waters within the scope of the Protocol (art. 6, para. 2 (g) (ii))

For each targ	t set in	this	area:
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1. Describe the target, target date and baseline conditions. Please include information on whether the target is national or local, and intermediate targets as relevant. Also include information on the background and justification for the adoption of the target.
2. Describe the actions taken (e.g., legal/regulatory, financial/economic and informational/educational, including management measures) to reach the target, having regard to article 6, paragraph 5, and, if applicable, the difficulties and challenges encountered.
3. Assess the progress achieved towards the target.
4. In the review of progress achieved towards the target, has it appeared that the target and target date need to be revised, e.g., in the light of scientific and technical knowledge? If so, and if

5. If you have not set a target in this area, please explain why.

the revised target and target date have already been adopted, please describe them.

XI.	Quality of discharges of wastewater from wastewater treatment installations to waters
within	the scope of the Protocol (art. 6, para. 2 (h))

For each target set in this area:

1. Describe the target, target date and baseline conditions. Please include information on whether the target is national or local, and intermediate targets as relevant. Also include information on the background and justification for the adoption of the target.
2. Describe the actions taken (e.g., legal/regulatory, financial/economic and informational/educational, including management measures) to reach the target, having regard to article 6, paragraph 5, and, if applicable, the difficulties and challenges encountered.
3. Assess the progress achieved towards the target.
4. In the review of progress achieved towards the target, has it appeared that the target and target date need to be revised, e.g., in the light of scientific and technical knowledge? If so, and if the revised target and target date have already been adopted, please describe them.
5. If you have not set a target in this area, please explain why.
Note: BiH has not yet defined the targets in accordance with Article 6 of the Protocol on Water and Health.

XII. Disposal or reuse of sewage sludge from collective systems of sanitation or other sanitation installations (art. 6, para. 2 (i), first part)

For each target set in this area:

and Health.

whethe	Describe the target, target date and baseline conditions. Please include information on er the target is national or local, and intermediate targets as relevant. Also include ation on the background and justification for the adoption of the target.
informa	Describe the actions taken (e.g., legal/regulatory, financial/economic and ational/educational, including management measures) to reach the target, having regard to 6, paragraph 5, and, if applicable, the difficulties and challenges encountered.
3.	Assess the progress achieved towards the target.
target o	In the review of progress achieved towards the target, has it appeared that the target and date need to be revised, e.g., in the light of scientific and technical knowledge? If so, and if ised target and target date have already been adopted, please describe them.
	If you have not set a target in this area, please explain why.
Note:	BiH has not yet defined the targets in accordance with Article 6 of the Protocol on Water

XIII.	Ouality	of wastewater	used for	irrigation '	purposes (art. 6.	para. 2 (i), second	part

For each target set in this area:

1.	Descr	ibe the	target,	target	date a	and ba	iseline	condition	ons.	Please	include	informa	ation c	n
whethe	er the	target	is nati	onal o	r loca	l, and	inter	mediate	targ	ets as	relevant	. Also	includ	de
inform	ation c	on the ba	ackgrou	nd and	justifi	cation	for the	adoptio	n of	the tar	get.			

- 2. Describe the actions taken (e.g., legal/regulatory, financial/economic and informational/educational, including management measures) to reach the target, having regard to article 6, paragraph 5, and, if applicable, the difficulties and challenges encountered.
- 3. Assess the progress achieved towards the target.
- 4. In the review of progress achieved towards the target, has it appeared that the target and target date need to be revised, e.g., in the light of scientific and technical knowledge? If so, and if the revised target and target date have already been adopted, please describe them.
- 5. If you have not set a target in this area, please explain why.

XIV. Quality of waters which are used as sources for drinking water (art. 6, para. 2 (j), first part)

For each target set in this area:

1.	Descr	ibe the	target,	target	date an	d bas	seline condi	tions.	Please	include	informa	ation on
whethe	r the	target	is nati	onal o	r local,	and	intermediat	e targ	gets as	relevant.	Also	include
informa	ation c	on the ba	ackgrou	nd and	justifica	tion f	for the adopt	ion of	the tar	get.		

- 2. Describe the actions taken (e.g., legal/regulatory, financial/economic and informational/educational, including management measures) to reach the target, having regard to article 6, paragraph 5, and, if applicable, the difficulties and challenges encountered.
- 3. Assess the progress achieved towards the target.
- 4. In the review of progress achieved towards the target, has it appeared that the target and target date need to be revised, e.g., in the light of scientific and technical knowledge? If so, and if the revised target and target date have already been adopted, please describe them.
- 5. If you have not set a target in this area, please explain why.

XV. Quality of waters used for bathing (art. 6, para. 2 (j), second part)

For each target set in this area:

1.	Descr	ibe the	target,	target	date an	d bas	seline co	onditions	s. Plea	se	include i	nforma	ition on
whethe	r the	target	is nati	onal o	r local,	and	interme	diate ta	argets	as	relevant.	Also	include
nform	ation o	n the b	ackgrou	nd and	justifica	tion f	or the ac	doption	of the t	arg	et.		

- 2. Describe the actions taken (e.g., legal/regulatory, financial/economic and informational/educational, including management measures) to reach the target, having regard to article 6, paragraph 5, and, if applicable, the difficulties and challenges encountered.
- 3. Assess the progress achieved towards the target.
- 4. In the review of progress achieved towards the target, has it appeared that the target and target date need to be revised, e.g., in the light of scientific and technical knowledge? If so, and if the revised target and target date have already been adopted, please describe them.
- 5. If you have not set a target in this area, please explain why.

XVI. Quality of waters used for aquaculture or for the production or harvesting of shellfish (art. 6, para. 2 (j), third part)

For each target set in this area:

and Health.

whethe	Describe the target, target date and baseline conditions. Please include information on er the target is national or local, and intermediate targets as relevant. Also include ation on the background and justification for the adoption of the target.
informa	Describe the actions taken (e.g., legal/regulatory, financial/economic and ational/educational, including management measures) to reach the target, having regard to 6, paragraph 5, and, if applicable, the difficulties and challenges encountered.
3.	Assess the progress achieved towards the target.
target o	In the review of progress achieved towards the target, has it appeared that the target and date need to be revised, e.g., in the light of scientific and technical knowledge? If so, and if ised target and target date have already been adopted, please describe them.
	If you have not set a target in this area, please explain why.
Note:	BiH has not yet defined the targets in accordance with Article 6 of the Protocol on Water

XVII. Application of recognized good practice in the management of enclosed waters generally available for bathing (art. 6, para. $2\,(k)$)

For each target set in this area:

and Health.

 Describe the actions taken (e.g., legal/regulatory, financial/economic and informational/educational, including management measures) to reach the target, having regard to article 6, paragraph 5, and, if applicable, the difficulties and challenges encountered. Assess the progress achieved towards the target. In the review of progress achieved towards the target, has it appeared that the target and target date need to be revised, e.g., in the light of scientific and technical knowledge? If so, and if the revised target and target date have already been adopted, please describe them. 	whether	Describe the target, target date and baseline conditions. Please include information on r the target is national or local, and intermediate targets as relevant. Also include ation on the background and justification for the adoption of the target.
4. In the review of progress achieved towards the target, has it appeared that the target and target date need to be revised, e.g., in the light of scientific and technical knowledge? If so, and if	informa	ational/educational, including management measures) to reach the target, having regard to
target date need to be revised, e.g., in the light of scientific and technical knowledge? If so, and if	3.	Assess the progress achieved towards the target.
	target d	late need to be revised, e.g., in the light of scientific and technical knowledge? If so, and if
5. If you have not set a target in this area, please explain why.Note: BiH has not yet defined the targets in accordance with Article 6 of the Protocol on Water		

XVIII. Identification and remediation of particularly contaminated sites (art. 6, para. 2 (1))

	1			•	41 .	
ror	eacn	target	set	ın	tnis	area:

1.	Descr	ibe the	target,	target	date a	and ba	aseline	conditi	ons.	Plea	se	include i	nforma	ation of	n
wheth	er the	target	is nati	onal o	r loca	l, and	linter	mediate	targ	gets a	as	relevant.	Also	includ	e
inform	ation c	on the b	ackgrou	nd and	justifi	cation	for the	e adoptio	on of	the t	arg	et.			

- 2. Describe the actions taken (e.g., legal/regulatory, financial/economic and informational/educational, including management measures) to reach the target, having regard to article 6, paragraph 5, and, if applicable, the difficulties and challenges encountered.
- 3. Assess the progress achieved towards the target.
- 4. In the review of progress achieved towards the target, has it appeared that the target and target date need to be revised, e.g., in the light of scientific and technical knowledge? If so, and if the revised target and target date have already been adopted, please describe them.
- 5. If you have not set a target in this area, please explain why.

XIX. Effectiveness of systems for the management, development, protection and use of water resources (art. 6, para. $2\,(m)$)

For each target set in this area:

1. Describe the target, target date and baseline conditions. Please include information on whether the target is national or local, and intermediate targets as relevant. Also include information on the background and justification for the adoption of the target.
2. Describe the actions taken (e.g., legal/regulatory, financial/economic and informational/educational, including management measures) to reach the target, having regard to article 6, paragraph 5, and, if applicable, the difficulties and challenges encountered.
3. Assess the progress achieved towards the target.
4. In the review of progress achieved towards the target, has it appeared that the target and target date need to be revised, e.g., in the light of scientific and technical knowledge? If so, and if the revised target and target date have already been adopted, please describe them.
5. If you have not set a target in this area, please explain why.
Note: BiH has not yet defined the targets in accordance with Article 6 of the Protocol on Water and Health.

XX. Additional national or local specific targets

In cases where additional targets have been set, for each target:

1. Describe the target, target date and baseline conditions. Please include information of whether the target is national or local, and intermediate targets as relevant. Also includinformation on the background and justification for the adoption of the target.
2. Describe the actions taken (e.g., legal/regulatory, financial/economic an informational/educational, including management measures) to reach the target, having regard tarticle 6, paragraph 5, and, if applicable, the difficulties and challenges encountered.
3. Assess the progress achieved towards the target.
4. In the review of progress achieved towards the target, has it appeared that the target an target date need to be revised, e.g., in the light of scientific and technical knowledge? If so, and the revised target and target date have already been adopted, please describe them.
5. If you have not set a target in this area, please explain why.
Note: BiH has not yet defined the targets in accordance with Article 6 of the Protocol on Water and Health.

Part Four

Overall evaluation of progress achieved in implementing the Protocol

In this part of the summary report, Parties shall provide an analysis and synthesis of the status of implementation of the Protocol. Such an overall evaluation should not only be based on the issues touched upon in the previous parts, but should also include, as far as possible, a succinct overview of implementation of article 9 on public awareness, education, training, research and development and information; article 10 on public information; article 11 on international cooperation; article 12 on joint and coordinated international action; article 13 on cooperation in relation to transboundary waters; and article 14 on international support for national action.

This analysis or synthesis should provide a succinct overview of the status of and the trends and threats with regard to waters within the scope of the Protocol sufficient to inform decision makers, rather than an exhaustive assessment of these issues. It should provide an important basis for planning and decision-making as well as for the revision of the targets set, as needed.

Part Five

Information on the person submitting the report

The following report is submitted on behalf of <u>Bosnia and Herzegovina</u> in accordance with article 7 of the Protocol on Water and Health.

Name of officer responsible for submitting the national report:

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Ministry of Foreign trade and Economic Relations of Bosnia and Herzegovina:

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Name and address of national authority:

Ministry of Foreign trade and Economic Relations of Bosnia and Herzegovina

Musala 9, Sarajevo

Signature:

Date: 29th April 2013

Submission

Parties are required to submit their summary reports to the joint secretariat, using the present template and in accordance with the adopted guidelines on reporting, by **29 April 2013**. Submission of the reports ahead of this deadline is encouraged, as this will facilitate the preparation of analyses and syntheses to be made available to the third session of the Meeting of the Parties.

Parties are requested to submit, to the two addresses below, an original signed copy by post and an electronic copy either on a CD-ROM or by e-mail. Electronic copies should be available in word-processing software, and any graphic elements should be provided in separate files.

Joint Secretariat to the Protocol on Water and Health

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