

# FORMAT FOR SUMMARY REPORTS UNDER THE PROTOCOL ON WATER AND HEALTH

## PART ONE: GENERAL ASPECTS

1. Provide brief information on the process of target-setting in your country, e.g. which public authority (ies) took the leadership and coordinating role, which public authorities were involved, how coordination was ensured, which existing national and international strategies and legislations were taken into account, how cost-benefit analysis of target sets was performed.

**Answer** In 2009 the protocol W&H was ratified by the Dutch government. Since the current EU-Directives for the subjects on water are implemented or are in the process of implementation the process of target-setting for the protocol itself did not yet start. The target setting document will be prepared within the coming two years. The Ministry of Housing, Spatial Planning and Environment has the lead in this process. The Ministry of Transport, Public Works and Water Management is involved. The current national and EU legislation will be taken into account.

2. What has been done in your country to ensure public participation in the process of target-setting and how was the outcome of public participation taken into account in the final targets set?

**Answer** For the protocol W&H itself public participation was not taken into account until now.

3. 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.

**Answer** Information for this report is provided by collecting current information which is available for other legislation.

4. 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).

**Answer** Not available

5. 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.

**Answer** Not available

## PART TWO: COMMON INDICATORS<sup>1</sup>

### 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:

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

**Answer** Population coverage is 16.4 millions or 100%.

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

**Answer** They report both the urban and rural populations for their service area.

3. 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.

**Answer** The national standards are implemented from the EU-DWD 98/83, some of the national standards have lower guideline values and several standards are added into the national legislation. Boron 0,5 mg/l, Bromate 5 µg/l (after disinfection), fluoride 1,1 mg/l, Trihalomethanes 25 µg/l, ammonium 0,2 mg/l, chloride 150 mg/l, conductivity 1250 µS cm<sup>-1</sup>, sulphate 150 mg/l.

#### 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 (please specify the year)	Current value (please specify the year)
<b>E. coli</b>	0.05 (2007)	0.02 (2008)
<b>Enterococci</b>	0.16 (2007)	0.38 (2008)

#### C. Chemical quality

Indicator to be used: WatSan\_S3. The percentage of samples that fail to meet the national standard for chemical water quality. All countries shall monitor and report on:

- Fluoride, 0%
- Nitrate and nitrite<sup>2</sup>, 0%
- Arsenic, 0%
- Lead 0.04% (RDT-sampling Standard 10 µg/l)
- Iron. 0.19

<sup>1</sup> 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.

<sup>2</sup> As defined in the WHO Guidelines.

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

<b>Substance</b>	<b>Baseline value (please specify the year)</b>	<b>Current value (please specify the year)</b>
<b>Fluoride</b>	0 (2005)	0 (2008)
<b>Nitrate and nitrite</b>	0 (2005)	0 (2008)
<b>Arsenic<sup>3</sup></b>	0 (2005)	0 (2008)
<b>Lead</b>	0.04 (RDT-sampling Standard 10 µg/l) (2005)	0 (2008)
<b>Iron</b>	0.19 (2005)	0.18 (2008)
<b>Additional chemical<sup>4</sup> parameter 1: ___pesticides (ind.)_____</b>	0.01 (2005)	0.00 (2008)
<b>Additional chemical parameter 2: ___Nitrite _____</b>	0.07 (2005)	0.02 (2008)
<b>Additional chemical parameter 3: ___manganese _____</b>	0.32 (2005)	0.29 (2008)
<b>Additional chemical parameter 4: ___sulphate _____</b>	0 (2005)	0 (2008)
<b>Additional chemical parameter 5: ___pH_____</b>	0.02 (2005)	0.01 (2008)

If your country calculates an integrated value reflecting overall compliance with chemical quality of drinking water, please report it below:

	<b>Baseline value (please specify the year)</b>	<b>Current value (please specify the year)</b>
<b>Integrative chemical failure rate</b>	Not done	

<sup>3</sup> If relevant for the country.

<sup>4</sup> It is recommended to take into account new and emerging pressures such as climate change, or agriculture practices.

## II. REDUCTION OF THE SCALE OF OUTBREAKS AND INCIDENCE OF INFECTIOUS DISEASES POTENTIALLY RELATED TO WATER

For incidence, please report the total number of cases per year from all exposure routes.  
For the number of outbreaks, please report cases that could be potentially related to water.

	Incidence		Number of outbreaks	
	Baseline (specify the year)*	Current value (specify the year)	Baseline (specify the year)	Current value (specify the year)
Cholera	5 (2008)	3 (2009)		0
Bacillary dysentery (shigellosis)	365 (2008)	465 (2009)		0
EHEC <sup>5</sup>	141 (2008)	264 (2009)		0
Viral hepatitis A	183 (2008)	176 (2009)		0
Typhoid fever	29 (2008)	20 (2009)		0

\* Numbers from 2005 are not available on the internet

## III. ACCESS TO DRINKING WATER

Percentage of population with access to improved drinking water	Baseline value (specify the year)	Current value (specify the year)
<b>Total</b>	100 (2005)	100 (2008)
<b>Urban</b>	100 (2005)	100 (2008)
<b>Rural</b>	100 (2005)	100 (2008)

The Joint Monitoring Programme (JMP) 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 liters per person per day from an “improved” source within 1 kilometer 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 “improved” drinking water from which the above percentages are calculated differs from the JMP, please provide the definition and describe your means of calculation.

## IV. ACCESS TO SANITATION

Percentage of the population with access to improved sanitation, including small decentralized sewerage systems, septic tanks and safe excreta disposal.

<sup>5</sup> Enterohaemorrhagic *E. coli*.

<b>Percentage of population with access to improved sanitation</b>	<b>Baseline value (specify the year)</b>	<b>Current value (specify the year)</b>
<b>Total</b>		100 (2008)
<b>Urban</b>		100 (2008)
<b>Rural</b>		100 (2008)

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

## **V. EFFECTIVENESS OF MANAGEMENT, PROTECTION AND USE OF FRESHWATER RESOURCES**

### **Water quality**

On the basis of national systems of water classifications, the percentage of the number of water bodies or the percentage of the volume (preferably) of water<sup>6</sup> falling into 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

<b>Percentage of surface water falling into class<sup>7</sup></b>	<b>Baseline value (specify the year)</b>	<b>Current value (specify the year)</b>
<b>I</b>		
<b>II</b>		
<b>III</b>		
<b>IV</b>		
<b>V</b>		

Status of groundwaters

<b>Percentage of groundwaters falling into class<sup>8</sup></b>	<b>Baseline value (specify the year)</b>	<b>Current value (specify the year)</b>
<b>I</b>		
<b>II</b>		
... to be completed in accordance with national groundwaters classification systems		

<sup>6</sup> Please specify.

<sup>7</sup> Rename and modify the number of rows as requested by the national classification system.

<sup>8</sup> Rename and modify the number of rows as requested by the national classification system

### For European Union countries:

#### Ecological status of surface water

Percentage of surface water classified as of	Baseline value (specify the year)	Current value (specify the year)
<b>High status</b>		
<b>Good status</b>		0,4% - 2008
<b>Moderate status</b>		35% - 2008
<b>Poor status</b>		44% - 2008
<b>Bad status</b>		21% - 2008

#### Chemical status of surface water

Percentage of surface water classified as of	Baseline value (specify the year)	Current value (specify the year) <sup>9</sup>
<b>Good status</b>		70% - 2008
<b>Poor status</b>		25% - 2008

#### Status of groundwaters

Percentage of groundwaters classified as of	Baseline value (specify the year)	Current value (specify the year)
<b>Good status</b>		61% - 2008
<b>Poor status</b>		39% - 2008

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 no related to all water resources).

### Water use

Water exploitation index at the national and river basin levels for each sector (agriculture, industry, domestic): 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)
<b>Agriculture</b>		< 1% - 2007
<b>Industry<sup>10</sup></b>		14% - 2007
<b>Domestic use<sup>11</sup></b>		1,5% - 2007

<sup>9</sup> Insufficient data for 5% of the waters.

<sup>10</sup> Please specify whether the figure includes both water abstraction for manufacturing industry and for energy cooling.

<sup>11</sup> Please specify whether the figure only refers to public water supply systems or also individual supply systems (e.g. wells).

## **PART THREE: TARGETS AND TARGET DATES SET AND ASSESSMENT OF PROGRESS**

### **I. QUALITY OF THE DRINKING WATER SUPPLIED, (ARTICLE 6, PARAGRAPH 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 such target.

**Answer** The target is to provide drinking water for the total population of a good quality (wholesome and clean), sufficient quantity and assurance of delivery. EU DWD 98/83 EC art 4. Dutch drinking water Act since 1957.

2. Briefly describe the actions taken (e.g. legal/regulatory, financial/economic and informational/educational and management measures) to reach the target and, if applicable, the difficulties and challenges encountered.

**Answer** In general the target has been reached by actions mentioned in this question.

3. Briefly assess the progress achieved towards the target.

**Answer** The whole population has access to the drinking water system.

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 targets date have already been adopted, please describe them.

**Answer** No

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 (ARTICLE 6, PARAGRAPH 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 such target.

**Answer** For water-related disease caused by drinking water see Part three par II. For bathing water targets are set in the EU –Directive (2006/7EG) and the national legislation for bathing waters (WHBZ).

2. Briefly describe the actions taken (e.g. legal/regulatory, financial/economic and informational/educational and management measures) to reach the target and, if applicable, the difficulties and challenges encountered.

**Answer** Actions according WFD (2006/60/EG) and national legislation on surface water quality since 1972.

3. Briefly assess the progress achieved towards the target.

**Answer** In 2007 for inland waters 97% was of good quality as for swimming water and 100% of the coastal waters, according the EU directive 76/160/EEG.

Both in the old and the new Directive on swimming water there is no goal for cyanobacteria. This parameter causes problems with the quality at around 30 locations each year.

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 targets date have already been adopted, please describe them.

**Answer** Current regulation WFD (2006/60/EG) and bathing water Directive (2006/7EG) and national directives.

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



### III. ACCESS TO DRINKING WATER (ARTICLE 6, PARAGRAPH 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 such target.

**Answer** The target is to provide drinking water for the total population of a good quality (wholesome and clean), sufficient quantity and assurance of delivery. EU DWD 98/83 EC art 4. Dutch drinking water Act since 1957.

2. Briefly describe the actions taken (e.g. legal/regulatory, financial/economic and informational/educational and management measures) to reach the target and, if applicable, the difficulties and challenges encountered.

**Answer** The total population has access to drinking water since around 1970.

3. Briefly assess the progress achieved towards the target.

**Answer** The total population has access to drinking water since around 1970.

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 targets date have already been adopted, please describe them.

No

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

#### **IV. ACCESS TO SANITATION (ARTICLE 6, PARAGRAPH 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 such target.

**Answer** This is included in the EU UWWT Directive and the WFD.

2. Briefly describe the actions taken (e.g. legal/regulatory, financial/economic and informational/educational and management measures) to reach the target and, if applicable, the difficulties and challenges encountered.

3. Briefly assess the progress achieved towards the target.

**Answer** Only 1,4 % of the households have no connection to Wastewater Treatment Plants. Practically all of these households have individual treatment.

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 targets 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 (ARTICLE 6, PARAGRAPH 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 such target.

**Answer** See part three nr I and III.

2. Briefly describe the actions taken (e.g. legal/regulatory, financial/economic and informational/educational and management measures) to reach the target and, if applicable, the difficulties and challenges encountered.

**Answer** See part three nr I and III. The owners of collective systems (in buildings) are responsible for the installations, drinking water is provided by the drinking water companies. The collective systems are controlled on safety aspects by the water companies. The quality of the drinking water at the tap has to fulfil the regulations. A part of the national legislation is related to the prevention of Legionella in collective systems.

3. Briefly assess the progress achieved towards the target.

**Answer** The drinking water network is in such good shape that treated water typically is in no need to be chlorinated to prevent recontamination in the network, so that water reaches the consumer without a taste or smell of chlorine.

Since 1997 the Dutch water companies have engaged in a voluntary exercise to benchmark their performance against each other, in order to improve their efficiency and increase transparency covering four areas: water quality; service; environment; and finance and efficiency.

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 targets date have already been adopted, please describe them.

No

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 (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 such target.

**Answer** Included in the EU UWWT Directive. Goal is reduction of N and P by 75%.

2. Briefly describe the actions taken (e.g. legal/regulatory, financial/economic and informational/educational and management measures) to reach the target and, if applicable, the difficulties and challenges encountered.

3. Briefly assess the progress achieved towards the target.

**Answer** In 2006, reduction of P was 81,9%, reduction of N was 77,8%.

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 targets 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, (ARTICLE 6, PARAGRAPH 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 such target.

**Answer** See V.

2. Briefly describe the actions taken (e.g. legal/regulatory, financial/economic and informational/educational and management measures) to reach the target and, if applicable, the difficulties and challenges encountered.

3. Briefly 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 targets date have already been adopted, please describe them.

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

**VIII. APPLICATION OF RECOGNIZED GOOD PRACTICE TO THE MANAGEMENT OF SANITATION (ART. 6, PARAGRAPH 2 (f)) 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 such target.

**Answer** See V.

2. Briefly describe the actions taken (e.g. legal/regulatory, financial/economic and informational/educational and management measures) to reach the target and, if applicable, the difficulties and challenges encountered.

3. Briefly 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 targets date have already been adopted, please describe them.

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

**IX. OCCURRENCE OF DISCHARGES OF UNTREATED WASTEWATER  
(ART. 6, PARAGRAPH 2(g) (i))**

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 such target.

**Answer** The ultimate goal is to have no discharges that cause environmental harm. The latter is expressed as the maximum admissible risk. This target was set in the Pollution of Surface Waters Act in 1969.

2. Briefly describe the actions taken (e.g. legal/regulatory, financial/economic and informational/educational and management measures) to reach the target and, if applicable, the difficulties and challenges encountered.

**Answer** Under the Pollution of Surface Waters Act, it is forbidden to discharge waste matter, pollutants or hazardous substances in whatever form into surface waters without a permit. Conditions attached to such discharge permits can relate only to the protection of water quality.

3. Briefly assess the progress achieved towards the target.

**Answer** Surface water quality has highly improved and discharge of untreated wastewater is largely regulated.

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.

**Answer** Revision of quality standards has taken place on the basis of new scientific insights.

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 COLLECTION SYSTEMS TO WATERS WITHIN  
THE SCOPE OF THE PROTOCOL (ART. 6, PARAGRAPH 2 (g) (ii))**

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 such target.

**Answer** The aim is to reduce storm water overflow as much as possible. This is put down in the Pollution of Surface Waters Act in 1969.

2. Briefly describe the actions taken (e.g. legal/regulatory, financial/economic and informational/educational and management measures) to reach the target and, if applicable, the difficulties and challenges encountered.

**Answer** Wastewater collection systems are obliged to take preventive measures in the form of retention basins and other physical measures. Also, separated sewage systems are used where rainwater is separated from other wastewater. Moreover, levies are put on overflows.

3. Briefly assess the progress achieved towards the target.

**Answer** Reduction of overflows is achieved while additional measures are underway.

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 targets date have already been adopted, please describe them.

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



**XI. QUALITY OF DISCHARGES OF WASTEWATER FROM WASTEWATER  
TREATMENT INSTALLATIONS TO WATERS WITHIN THE SCOPE OF THE  
PROTOCOL (ART. 6, PARAGRAPH 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 such target.

**Answer** See under IX

2. Briefly describe the actions taken (e.g. legal/regulatory, financial/economic and informational/educational and management measures) to reach the target and, if applicable, the difficulties and challenges encountered.

3. Briefly 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 targets date have already been adopted, please describe them.

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

**XII. DISPOSAL OR REUSE OF SEWAGE SLUDGE FROM COLLECTIVE SYSTEMS  
OF SANITATION OR OTHER SANITATION INSTALLATIONS  
(ART. 6, PARAGRAPH 2 (i), first part)**

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 such target.

**Answer** The EU UWWT Directive sets restrictions on the use and disposal of sewage sludge. The sludge is increasingly burned. Tests are being done to abstract the phosphorus from the sludge as well as for producing biogas.

2. Briefly describe the actions taken (e.g. legal/regulatory, financial/economic and informational/educational and management measures) to reach the target and, if applicable, the difficulties and challenges encountered.

**Answer** Legal ban on application of sewage sludge for agricultural purposes in 1995.

3. Briefly assess the progress achieved towards the target.

**Answer** Sewage sludge is disposed of in different ways, according to regulations. Research and testing is done on making use of sewage sludge for biogas and phosphorous production.

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 targets date have already been adopted, please describe them.

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

**XIII. QUALITY OF WASTEWATER USED FOR IRRIGATION PURPOSES  
(ART. 6, PARAGRAPH 2 (i), second part)**

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 such target.

NA

2. Briefly describe the actions taken (e.g. legal/regulatory, financial/economic and informational/educational and management measures) to reach the target and, if applicable, the difficulties and challenges encountered.

3. Briefly 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 targets date have already been adopted, please describe them.

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

**Answer** No use is made of wastewater for irrigation purposes.

**XIV. QUALITY OF WATERS USED AS SOURCES FOR DRINKING WATER  
(ART. 6, PARAGRAPH 2 (j), first part)**

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 such target.

**Answer** Included in the EU Water Framework Directive.

2. Briefly describe the actions taken (e.g. legal/regulatory, financial/economic and informational/educational and management measures) to reach the target and, if applicable, the difficulties and challenges encountered.

**Answer** Included in the actions to achieve the goals of the WFD.

3. Briefly assess the progress achieved towards the target.

**Answer** General quality of waters is sufficient, early warning system is in place on surface waters to be able to stop intake of water drinking water production in case of accidental pollution.

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 targets 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, PARAGRAPH 2 (j), second part)**

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 such target.

**Answer** Included in EU Bathing Water Directive (2006) and the WFD.

2. Briefly describe the actions taken (e.g. legal/regulatory, financial/economic and informational/educational and management measures) to reach the target and, if applicable, the difficulties and challenges encountered.

**Answer** Adaptation of the monitoring and the warning and alarm systems to the provisions of the Directives.

3. Briefly assess the progress achieved towards the target.

**Answer** In general, the quality of the bathing water locations is in compliance with the Directives. In summer sometimes locations are closed because of algal blooms.

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 targets 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 SHELLFISH  
(ART. 6, PARAGRAPH 2 (j), third part)**

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 such target.

**Answer** Included in EU Directives on shellfishwater (1979) and fishwater (1978), to be included in the WFD.

2. Briefly describe the actions taken (e.g. legal/regulatory, financial/economic and informational/educational and management measures) to reach the target and, if applicable, the difficulties and challenges encountered.

**Answer** No specific actions, included in the actions for achieving the goals of the WFD

3. Briefly assess the progress achieved towards the target.

**Answer** The general quality is good.

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 targets date have already been adopted, please describe them.

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

**XVII. APPLICATION OF RECOGNIZED GOOD PRACTICE IN THE MANAGEMENT  
OF ENCLOSED WATERS GENERALLY AVAILABLE FOR BATHING (ART. 6,  
PARAGRAPH 2 (k))**

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 such target.

**Answer** See XV.

2. Briefly describe the actions taken (e.g. legal/regulatory, financial/economic and informational/educational and management measures) to reach the target and, if applicable, the difficulties and challenges encountered.

3. Briefly 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 targets date have already been adopted, please describe them.

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

## **XVIII. IDENTIFICATION AND REMEDIATION OF PARTICULARLY CONTAMINATED SITES (ART. 6, PARAGRAPH 2 (I))**

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 such target.

**Answer** This is related to contaminated sediments, included in the Act on protection of soils and at the end of 2009 included in the Water Act.

2. Briefly describe the actions taken (e.g. legal/regulatory, financial/economic and informational/educational and management measures) to reach the target and, if applicable, the difficulties and challenges encountered.

3. Briefly assess the progress achieved towards the target.

**Answer** Many of the most contaminated sites have been cleaned, cleaning will continue.

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 targets 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, PARAGRAPH 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 such target.

**Answer** Regular monitoring and evaluation of policies and legislation takes place. On the basis of these evaluations, policies and/or legislation may be changed.

2. Briefly describe the actions taken (e.g. legal/regulatory, financial/economic and informational/educational and management measures) to reach the target and, if applicable, the difficulties and challenges encountered.

3. Briefly 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 targets date have already been adopted, please describe them.

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

## **XX. ADDITIONAL NATIONAL OR LOCAL SPECIFIC TARGETS**

In case additional targets have been set, for each target:

1. Describe the target, target date and baseline conditions. Please include information on whether target is national or local, and intermediate targets as relevant.

NA

2. Briefly describe the actions taken (e.g. legal/regulatory, financial/economic and informational/ educational and management measures) to reach the target and, if applicable, the difficulties and challenges encountered.

3. Briefly 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 targets date have already been adopted, please describe them.

#### **PART FOUR: OVERALL EVALUATION OF PROGRESS ACHIEVED IN IMPLEMENTING THE PROTOCOL**

This part of the summary report 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 is possible, a succinct overview of implementation of: article 9 on public awareness, education, training, research and development and information; article 10 on public participation; 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, trends and threats, 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.

**Answer** Since the Netherlands have only very recently become a party to the protocol, it is of course not yet possible to mention developments in implementation since targets for the Protocol have not yet been set. Targets exists for other purposes, but these have to be adapted for the purpose of the Protocol. We look forward to setting in motion the next steps under the Protocol.

## **PART FIVE: INFORMATION ON THE PERSON SUBMITTING THE REPORT**

The following report is submitted on behalf of The Netherlands in accordance with article 7 of the Protocol on Water and Health.

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### **Submission**

Parties are required to submit their summary reports to the joint secretariat, using the format outlined in these guidelines, by **31 March 2010**. Submission of the reports ahead of this deadline is encouraged, as this would help facilitate the preparation of analyses and syntheses to be made available to the second 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 diskette or 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.

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