

Annex 2: List of parameters for Questionnaire-2011

For a common understanding the parameters of the reporting system for UWWTD Questionnaire-2011 is presented in nine data blocks:

Data blocks of UWWTD reporting:

0. General information about the report and contact details
1. Inventory of receiving areas and catchments
2. Master data on agglomerations (including urban waste water treatment plants, discharge points and receiving areas)
3. Collecting systems: basic questions
4. Treatment level and performance
5. Compliance: new details on collecting systems
6. Additional parameters: loads treated and discharged for each UWWTP, SoE, information to the public, statistics
7. Aggregated information on MS-level: sludge and treated waste water re-used
8. Additional parameters: Food processing industries
9. Additional parameters: Data for pre-filling of Eurostat/OECD Joint Questionnaire on Inland Water

The parameters listed in the reporting data blocks 0-4, 7 and partly 5 (information on Individual and other appropriate systems) are requested in the UWWTD Questionnaire-2011.

Member States are invited on a voluntary basis to provide information indicated in the data blocks 5 (management of leaks and storm water overflows), 6, 8 and 9.

More detailed [description of each data block](#) (defining WHAT is needed, WHY it is needed and HOW the data has to be provided) could be found on CIRCA under public EEA Circa interest group “[WISE Water Directives reporting](#)“, in a subfolder for the [UWWTD data request 2011](#).

Parameters requested for the 2011 UWWTD Questionnaire

Data block 0:

General information about the report and contact details

In Reporting sheets:

- T_Reporter
- T_ReportPeriod
- T_Contact

	Title of the parameter
1.	Member State
2.	Reported Year
3.	Report ID
4.	Situation as at
5.	Version of reported data
6.	Name of the Contact Person
7.	Institution
8.	Street
9.	Post Code
10.	City
11.	Phone
12.	Fax
13.	E-mail
14.	Remarks (text)

Data block 1:

In Reporting sheets:

- T_ReceivingAreas

Parameters requested differ in accordance to the particular article of the UWWTD applied for designation of receiving areas.

Designated receiving areas: Information on Art. 5(8) + Art. 5(2, 3)

Title of the parameter	
1.	ID of the area
2.	Name of the area (= Name of the Member State)
3.	Type of the area (in this case Article 5(8))
4.	Starting date of application of Art. 5(8)
5.	Starting date of application of Art. 5(2,3)
6.	Remarks (text)

Parameters subject to More Stringent Treatment

7. N
8. P
9. Other parameters subject to More Stringent Treatment (text)

Designated receiving areas: Information on Art. 5(8) +5(4)

Title of the parameter	
1.	ID of the area
2.	Name of area (= Name of the Member State)
3.	Type of area (in this case Article 5(8))
4.	Starting date of application of Art. 5(8)
5.	Starting date of application of Art. 5(4)

Aggregated monitoring data for all UWWTPs of Art. 5(8) area

6. Number of UWWTPs
7. Total organic design capacity of ALL these UWWTPs(p.e.)
8. Incoming loads (t/y) N-tot: Measured (t/y)
9. Incoming loads (t/y) N-tot: Calculated (t/y)
10. Incoming loads (t/y) N-tot: Estimated (t/y)
11. Incoming loads (t/y) P-tot: Measured (t/y)
12. Incoming loads (t/y) P-tot: Calculated (t/y)
13. Incoming loads (t/y) P-tot: Estimated (t/y)
14. Discharged loads (t/y) N-tot: Measured (t/y)
15. Discharged loads (t/y) N-tot: Calculated (t/y)
16. Discharged loads (t/y) N-tot: Estimated (t/y)
17. Discharged loads (t/y) P-tot: Measured (t/y)
18. Discharged loads (t/y) P-tot: Calculated (t/y)
19. Discharged loads (t/y) P-tot: Estimated (t/y)
20. Remarks

**Designated receiving areas: Sensitive Areas and Catchment Areas of Sensitive Areas
(Application of Art.5(1) + 5(2,3))**

Title of the parameter	
1.	ID of the area
2.	Name of the Receiving area
3.	Type of the area
4.	Related Sensitive area (in case of the catchment of a sensitive area, the related sensitive area has to be selected from the list)
5.	Last date of designation or revision
6.	Indication of application of Art.5(2,3) (tick box)
7.	Designation Criteria (a, b, c) (Annex II.A): a - Nitrogen
8.	Designation Criteria (a, b, c) (Annex II.A): a - Phosphorus
9.	Designation Criteria (a, b, c) (Annex II.A): b
10.	Designation Criteria (a, b, c) (Annex II.A): c
11.	c - relevant EU-Directives and related parameters (text)
12.	c – ID applied to the area according to this Directive
13.	c – reference date of the area according to this Directive
14.	Root of corresponding GIS-Data File
15.	Remarks (text)

**Designated receiving areas: Sensitive Areas and Catchment Areas of Sensitive Areas
(Application of Art.5(1) + 5(4))**

Title of the parameter	
1.	ID of the area
2.	Name of the Receiving area
3.	Type of the area
4.	Related Sensitive area (in case of the catchment of a sensitive area, the related sensitive area has to be selected the list)
5.	Last date of designation or revision
6.	Indication of application of Art.5(4)
7.	Designation Criteria (a, b, c) (Annex II.A): a - Nitrogen
8.	Designation Criteria (a, b, c) (Annex II.A): a - Phosphorus
9.	Designation Criteria (a, b, c) (Annex II.A): b
10.	Designation Criteria (a, b, c) (Annex II.A): c
11.	c - relevant EU-Directives and related parameters (text)
12.	c – ID applied to the area according to this Directive
13.	c – reference date of the area according to this Directive
14.	Root of corresponding GIS-Data File
15.	Remarks (text)

N and P loads: aggregated monitoring information for all UWWTPs of the Art. 5(4) area

17. Starting date of application of Art. 5(4)
18. Number of UWWTPs
19. Total organic design capacity of ALL these UWWTPs (p.e.)
20. Incoming loads (t/y) N-tot: Measured (t/y)
21. Incoming loads (t/y) N-tot: Calculated (t/y)
22. Incoming loads (t/y) N-tot: Estimated (t/y)
23. Incoming loads (t/y) P-tot: Measured (t/y)
24. Incoming loads (t/y) P-tot: Calculated (t/y)
25. Incoming loads (t/y) P-tot: Estimated (t/y)

Title of the parameter	
26.	Discharged loads (t/y) N-tot: Measured (t/y)
27.	Discharged loads (t/y) N-tot: Calculated (t/y)
28.	Discharged loads (t/y) N-tot: Estimated (t/y)
29.	Discharged loads (t/y) P-tot: Measured (t/y)
30.	Discharged loads (t/y) P-tot: Calculated (t/y)
31.	Discharged loads (t/y) P-tot: Estimated (t/y)
32.	Remarks (text)

Designated receiving areas: Less Sensitive Areas

Title of the parameter	
1.	ID of the area
2.	Name of the Less Sensitive Area
3.	Type of the area
4.	Last date of designation or revision
5.	Designation criteria (Annex II B): Morphology
6.	Designation criteria (Annex II B): Hydrology
7.	Designation criteria (Annex II B): Specific hydraulic conditions
8.	Designation criteria (Annex II B): Absence of risk of transfer of discharged load to adjacent areas
9.	Root of corresponding GIS-Data File
10.	Remarks (text)

Data block 2:

Master data of agglomerations, treatment plants and discharge points

Title of the parameter

Master Data of the agglomerations

In Reporting sheets:

- T_Agglomerations

1. ID of the agglomeration
2. Name of the agglomeration
3. Region (NUTS) (to be selected from the list provided in T_NUTS in Data Dictionary)
4. Generated load (p.e.)
5. Methods used for calculation of the generated load of the agglomeration (text)
6. Are there any significant changes of the generated load compared with the previous Report (Y/N)?
7. Comments on significant changes of the generated load compared to the previous reported load (text)
8. Is this agglomeration part of a big city/ big discharger (Y/N)?
In case of yes, select a big city/ big discharger (ID of big city/big discharger - select from the list provided T_CITIES in Data dictionary, if not in the list: add ID and name of big city/big discharger)
9. Longitude
10. Latitude
11. Date of the relevant deadline of UWWTD or Transitional Period

Master Data of UWWTP

In Reporting sheets:

- T_UWWTPs

1. ID of the UWWTP
2. Name of the UWWTP
3. Identification whether it is the existing UWWTP (in operation) or a collecting system without waste water treatment (this distinction has to be done when uploading structured data - see also data dictionary)
4. Longitude
5. Latitude
6. Region (NUTS) (to be selected from the list provided in T_NUTS in Data Dictionary)
7. Connection of agglomeration(s) served by this UWWTP
Selected agglomerations (ID and name of the agglomerations connected to this UWWTP)

Master data of discharge point of UWWTP XY

In Reporting sheets:

- T_DischargePoints

1. ID of UWWTP (or collecting system without treatment), discharging via the particular discharge point(s)

Title of the parameter	
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2. ID of the discharge point
3. Name of the discharge point
4. Region (NUTS) (to be selected from the list provided in T_NUTS in Data Dictionary)
5. Longitude
6. Latitude

Specify degree of sensitivity of the receiving Area

7. Specification of degree of sensitivity of receiving area: Normal Area/ Sensitive Area (or its Catchment) / Less Sensitive Area / Art. 5(8) area)
8. ID of receiving area

Receiving Waters

9. Are there surface waters available? (Y/N)
10. Discharge: to freshwater / to estuary / to coastal water / on land (catchment of freshwater and / or estuary) / on land (catchment of coastal water)
11. In case of discharge on land please specify the purpose: Irrigation / Infiltration /other

Link with Water Framework Directive

12. ID of WFD water body (code)
13. ID of groundwater body (code)
14. ID of receiving water (once there is a unique coding system in the sense of WISE) (code)
15. ID of WFD sub-unit (code)
16. ID of WFD river basin district (code)
17. Remarks (text)

Master data of discharge point of UWWTP XY in case *Less Sensitive Area* is selected in the frame *Select degree of sensitivity of the receiving area*

In Reporting sheets:

- T_DischargePoints

18. Do comprehensive studies indicate that the discharge does not adversely affect the environment (Y/N)?
19. Has the Member State provided these studies to the Commission (Y/N)?
20. Did the Commission formally accept that the conditions under Art. 6(2) are met (Y/N)?

Data block 3:

Collection, Conduction and Connection

Title of the parameter	
1.	ID of the agglomeration
2.	Name of the agglomeration
Art. 3 Collecting System – general rule	
In Reporting sheets:	
<ul style="list-style-type: none">T_Agglomerations	
3.	Rate of generated load of agglomeration collected through collecting system (% of p.e.):
4.	Method used to obtain the %-value (calculated or estimated)
Connected to UWWTPs	
In Reporting sheets:	
<ul style="list-style-type: none">T_UWWTPsT_UwwtpAgglo	
5.	ID of UWWTP
6.	Name of UWWTP
7.	Insert % of load of agglomeration entering the UWWTP
8.	Method used to obtain the %-value (calculated or estimated)
Not connected to UWWTP	
9.	Rate of generated load of agglomeration collected, but discharged without treatment (% of p.e.)
Art. 3 exception: Individual and other Appropriate Systems (IAS)	
In Reporting sheets:	
<ul style="list-style-type: none">T_Agglomerations	
10.	Rate of generated load of agglomeration addressed through IAS (% of p.e.)
11.	Method used to obtain the %-value (calculated or estimated)
NOT collected load	
12.	Rate of generated load of agglomeration not collected through collecting systems and not addressed through IAS (% of p.e.)
13.	Method used to obtain the %-value (calculated or estimated)
14.	When will the total generated load of the agglomeration be collected through collecting system or addressed through IAS?
15.	Remarks (text) (for e.g. indicate the date of complete compliance with art.3)
Master data of discharge point without treatment	
In Reporting sheets:	
<ul style="list-style-type: none">T_DischargePoints	
1.	ID of collecting system
2.	Name of collecting system
3.	BUTTON: 'edit/insert discharge point' (the request on the information is the same as in Table 7.c)
4..	ID of UWWTP (in case of discharge point without treatment = ID of collecting system), discharging via the particular discharge point(s)

Title of the parameter	
5.	ID of the discharge point
6.	Name of the discharge point
7..	Region (NUTS) (to be selected from the list provided in T_NUTS in Data Dictionary)
8..	Longitude
9..	Latitude
Specify degree of sensitivity of the receiving Area	
10.	Specification of degree of sensitivity of receiving area: Normal Area/ Sensitive Area (or its Catchment) / Less Sensitive Area / Art. 5(8) area)
11.	ID of receiving area
Receiving Waters	
12.	Are there surface waters available? (Y/N)
13.	Discharge: to freshwater / to estuary / to coastal water / on land (catchment of freshwater and / or estuary) / on land (catchment of coastal water)
14.	In case of discharge on land please specify the purpose: Irrigation / Infiltration /other
Link with Water Framework Directive	
17.	ID of WFD water body (code)
18.	ID of groundwater body (code)
19.	ID of receiving water (once there is a unique coding system in the sense of WISE) (code)
20.	ID of WFD subunit (code)
21.	ID of WFD river basin district (code)
22.	Remarks (text)
Master data of discharge point of UWWTP XY in case of Less Sensitive Areas	
In Reporting sheets:	
<ul style="list-style-type: none"> T_DischargePoints 	
23.	Do comprehensive studies indicate that the discharge does not adversely affect the environment (Y/N)?
24.	Has the Member State provided these studies to the Commission (Y/N)?
25.	Did the Commission formally accept that the conditions under Art. 6(2) are met (Y/N)?

Data block 4:

Treatment in UWWTP serving the agglomeration XY

In Reporting sheets:

- T_UWWTPs

Title of the parameter	
1.	ID of the UWWTP
2.	Name of the UWWTP

Existing treatment

3. Load entering UWWTP (p.e.)
4. Organic design capacity (p.e.)
5. Primary
6. secondary
7. more stringent
8. N-removal
9. P-removal
10. UV
11. Chlorination
12. Ozonation
13. sand filtration
14. microfiltration/ultrafiltration
15. 'other' type of more stringent
16. Please specify 'other' type of more stringent treatment

Existing treatment Performance based on monitoring data

17. TSS (options to choose from the list: pass/fail/not relevant)
18. BOD5 options to choose from the list: pass/fail)
19. COD (options to choose from the list: pass/fail/not relevant)
20. N-tot (options to choose from the list: pass/fail/not relevant)
21. P-tot (options to choose from the list: pass/fail/not relevant)
22. Others (options to choose from the list: pass/fail/not relevant)
23. **Information on cause of failure (option for Member States for further explanation):** Bad performance/ Major accidents / Bad design or dimensioning
24. Further information on cause of failure (text)
25. Remarks: Information on new treatment or planned treatment and an indication of the time schedule in dd/mm/yy for construction and operation and treatment level of new UWWTPs and/or collecting system coverage in % of the total generated load

In case the UWWTP was closed since the last reporting exercise (option for Member States for further explanation):

26. Date of closing of the UWWTP
27. Explanation for closing of the UWWTP/ What happened with the wastewater since last reporting exercise (text)

Data block 5

In Reporting sheets:

- T_Agglomerations

Data requested for all agglomerations with size above 100 000 p.e., where the fraction of total generated load treated by IAS is $\geq 2,000$ p.e.

1. ID of the agglomeration
2. Name of the agglomeration
3. Rate of generated load of agglomeration transported to UWWTPs by trucks (% of p.e.) (optional)

Aggregated value of the rate of generated load of the agglomeration treated by IAS (including in-situ treatment and/or transport to UWWTP) (% of p.e.):

4. How much in % of generated load of agglomeration with primary treatment
5. How much in % of generated load of agglomeration with secondary treatment
6. How much in % of generated load of agglomeration with more stringent treatment
7. Remark: Where the Member States can provide an explanation of a specific situation (which differs from the regular case) or if a breach needs to be reported.

Data block 7:

In Reporting sheets:

- T_MSLevel

Information on Member State level: Sewage sludge and treated wastewater re-use

Title of the parameter

Sewage sludge

1. Yearly production of sludge (t DS/y)
2. Reported Year

Of which: re-used (t DS/y)

3. Soil and agriculture (t DS/y)
4. Others (t DS/y)

Of which: disposed (t DS/y)

5. Landfill (t DS/y)
6. Incineration (t DS/y)
7. Others (t DS/y)

Of which discharged into surface waters (t DS/y)

8. Pipelines (t DS/y)
9. Ships (t DS/y)
10. Others (t DS/y)

Rate of treated waste water re-used

11. Rate of treated waste water re-used (% of total volume treated)
12. Agriculture
13. Industry
14. Others
15. Please explain others (text)
16. Remarks

Additional parameters under the 2011 UWWTD Questionnaire

Data block 5 (optional)

Details on collecting system

In Reporting sheets:

- T_Agglomerations

Title of the parameter

Art.3: Management of leaks and storm water overflows

Management of leaks

1. Is a maintenance plan (quality assurance) in place (Y/N)?
2. Is a registration system for leaks in place (Y/N)?
What type of best technical knowledge/measures is used for building and
3. maintenance of collecting system to prevent leaks? (tick-list): pressure test / regular video inspections / other measures, please explain
4. short explanation of other measures (text)

Management of storm water overflows

1. Type of collecting system (select from the list): combined/ separated/ both
2. How much raw sewage has been discharged through combined sewer overflows (CSOs) in the year reported: m³/y
3. How much raw sewage has been discharged through combined sewer overflows (CSOs) in the year reported: p.e.
4. Is best technical knowledge to limit pollution applied? (Y/N)
5. BUTTON: Enter details
6. What are the measures based on (tick-list): Dilution rates / Capacity in relation to dry weather flow / Acceptable number of overflows per year
7. Indicate number of overflows

Data block 6 (optional)

Additional parameters: loads treated and discharged for each UWWTP, SoE, information to the public, statistics

In Reporting sheets:

- T_UWWTPs

Title of the parameter	
1.	Volume of waste water treated (m ³ /y)
2.	Methods used to determine the volume of waste water treated (m ³ /y) (measured, calculated, estimated)

Incoming loads (t/y)

3. BOD-tot Measured (t/y)
4. BOD-tot Calculated (t/y)
5. BOD-tot Estimated (t/y)
6. COD-tot Measured (t/y)
7. COD-tot Calculated (t/y)
8. COD-tot Estimated (t/y)
9. N-tot: Measured (t/y)
10. N-tot: Calculated (t/y)
11. N-tot: Estimated (t/y)
12. P-tot: Measured (t/y)
13. P-tot: Calculated (t/y)
14. P-tot: Estimated (t/y)

Discharged loads (t/y)

15. BOD-tot Measured (t/y)
16. BOD-tot Calculated (t/y)
17. BOD-tot Estimated (t/y)
18. COD-tot Measured (t/y)
19. COD-tot Calculated (t/y)
20. COD-tot Estimated (t/y)
21. N-tot: Measured (t/y)
22. N-tot: Calculated (t/y)
23. N-tot: Estimated (t/y)
24. P-tot: Measured (t/y)
25. P-tot: Calculated (t/y)
26. P-tot: Estimated (t/y)

Data block 8 (optional)

Additional parameters: Information on industrial sectors for food-processing (data per plant)

In Reporting sheets:

- T_Industries

Title of the parameter	
1.	ID of the food-processing industrial plant (should be the same as for EPER/PRTR)
2.	Name of the plant (should be the same as for EPER/PRTR)
3.	Industrial sector of food-processing (Select from the list of sectors from IT-tool)
4.	Organic load (p.e.)
5.	Respecting conditions under Art. 13? (Y/N)
6.	Date of Compliance

Data block 9 (optional)

(Data is specified in a separate xml schema.)

Additional parameters: Data for pre-filling of Eurostat/OECD Joint Questionnaire on Inland Water

- T_MSLevel_Add-on

Additional information at UWWTP level.

In Reporting sheets:

- T_UWWTPS_Add-on

Title of the parameter	
1.	E-PRTR ID of the UWWTP
2.	Number of inhabitants connected to particular UWWTP/collecting system
3.	Indication of application of more stringent effluent standards as compared to UWWTD (separately for BOD, N ,P and other parameters) (Y/N)
4.	Specification of the UWWTP effluent flow type (1-fully treated effluent- dry and wet weather, partially treated storm water; 2-fully treated effluent- dry and wet weather; 3-fully treated effluent- dry weather;)

Additional information at agglomeration level.

In Reporting sheets:

- T_Agglomerations_Add-on

Title of the parameter	
1.	Number of inhabitants served by IAS per agglomeration
2.	Number of inhabitants without treatment per agglomeration

Additional information at Member State level (aggregated information).

In Reporting sheets:

- T__MSLevel_Add-on

Title of the parameter	
1.	Number of inhabitants connected to IAS
2.	Number of inhabitants not connected to collecting system nor served by IAS
3.	Number of inhabitants connected to collecting system or treatment plant
4.	Number of inhabitants connected to collecting system or treatment plant serving agglomeration smaller than 2 000 p.e.
5.	Number of inhabitants in agglomeration smaller than 2 000 p.e.
6.	Brief text information on the fate of generated wastewater, that does not receive any treatment