

**European Topic Centre
Inland, coastal, marine waters**



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Guidance document on reporting under the Drinking Water Directive 98/83/EC

**Information required to be submitted to the European Commission under
Article 13 for the reporting 2011 - 2013**

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1 Introduction

1.1 Guidance background

- On 17 January 2005, the Management Committee of the Drinking Water Directive agreed to develop an expert background paper with guidance on harmonised reporting methods and formats for the Drinking Water Directive and delegated this task to a Subgroup.
- In 2007 the first version of the Guidance Document on reporting under the Drinking Water Directive 98/83/EC was presented as the outcome of the work of the Subgroup.
- The 8th Committee of the Drinking Water Directive reached a consensus on this Guidance Document on 8 May 2007.
- It has presented a new, table-oriented way of reporting, in line with the Drinking Water Directive and with the WISE approach for reporting (see chapter 1 – Principles).
- The technical implementation started in 2007 with the aim of implementing these harmonised reporting methods and formats.
- Following the Article 12 Committee Meeting from February 2011, the Subgroup on reporting was reconvened with the view to revise and update the Guidance Document on the basis of the experiences gained by the Member States.
- The present document represents the updated version of the Guidance Document for the next reporting for the years 2011, 2012 and 2013. It was presented on 27 June within the DWD Expert Group Meeting in Brussels.

1.2 Principles

In line with current requirements for reporting and information exchange and the requirements of Article 13 of Council Directive 98/83/EC on the quality of water intended for human consumption (the Drinking Water Directive), the following principles will be applied to the establishment of procedures, formats and information requirements for reporting.

- The report shall cover water intended for human consumption. Water intended for human consumption shall mean all water either in its original state or after treatment:
 - intended for drinking, cooking, food preparation or other domestic purposes regardless of its origin and whether it is supplied from a distribution network or from a tanker, or in bottles or containers, and;
 - all water used in any food-production undertaking for the manufacture, processing, preservation or marketing of products or substances intended for human consumption unless the competent national authorities are satisfied that the quality of the water cannot affect the wholesomeness of the foodstuff in its finished form.

- Reporting shall be kept as simple as possible.
- Reporting shall be in an electronic format.
- Data should be presented in an easily understandable format.
- The amount of data to be submitted by Member States (MS) to the European Commission shall be the minimum necessary to demonstrate compliance with the Drinking Water Directive. This is qualified by the limitation of reporting duties to water supplies meeting the thresholds set out in Article 13(2).
- MS shall be responsible for reporting to the Commission. They shall aggregate regional or federal reports into a national report.
- MS shall be responsible for the accuracy of the data.
- In accordance with the requirements of Article 13(2) of the DWD, reporting to the Commission shall be carried out at three-yearly intervals (comprising of three separate annual reports) and applies, as a minimum, to all individual supplies of water exceeding 1000 m³ per day on average or serving more than 5000 persons⁽³⁾. Information on national websites shall be as current as practically possible.
- In the context of WISE¹ a long term aim for MS will be to store information in national databases accessible through the internet which shall be harmonised to allow interrogation by the Commission to enable it to carry out its legal duties such as checking compliance with the requirements of the Drinking Water Directive (DWD) and produce a synthesis report.

1.3 Changes made to the last version of the guidance document dated October 2011

1.3.1 General changes

- The present guidance document (August 2014) is structured precisely like the xls-template for reporting.
- The descriptions of the sheets (chapter 2) have the same order and heading like the sheets in the xls-template.

¹ WISE (Water Information System for Europe), is the Common Reporting Strategy for water legislation which was defined through a concept paper, agreed between the Water Directors of the EU Member States, Norway, Bulgaria, Romania and the European Commission in November 2003.

- In general, the sheets in chapter 2 are structured as follows:

Sheetxxx – (Name of sheet in template)		
Explanation, notes...		
Column	Column header	Additional information
Letter started from A to ... 'A' means first column of the described sheet in the template; B = second column; C=third column etc.	Name of the column listed in line 1 of the described sheet of the template	Descriptions and additional information about data or information to be recorded

- Further details of description are given in notes or footnotes within the sheets.
- Codes for specific information to be reported are given in the Annex or in the sheet of the template (*EnumerationList*). The link is given in each sheet.
- Subchapter 1.4 – 'Guidance notes' (formerly Annex D: Guidance Notes) was integrated into chapter 1. The order of notes was adapted to the new structure of the guidance document.
- In nearly all sheets the column 'Year' was added at the end of the sheet. This is necessary to identify the reporting year by using only one template for the whole three year reporting.

Please note:

Some rows in the sheets are **highlighted in red**. These information are new additions for the next reporting 2011 to 2013.



1.3.2 Changes to the reporting template

- Sheet 1 (AnnualMonitoring): the information about the number of analysis required and analysis done is dispensable. Both columns were deleted.
- The formerly sheets 2 and 3 of the template with information about **exemptions** and **alternative analysis** were deleted. These information were more a question on transposition and were not (any more) of interest for annual reporting. Legislative changes or new methods should be reported in case of this emerges.
- Sheet 4 (NonCompliantInformation) is subdivided into sheet 4 and sheet 4_1. In sheet 4_1 four more columns were added: (1) Restriction in use, (2) Prohibition in use, (3) reason why restriction or prohibition in use and (4) timeframe for restriction or prohibition in use. This information is required according to Article 8 (3) DWD (Remedial action and restriction in use)².

² Article 8(3): "Whether or not any failure to meet the parametric values has occurred, Member States shall ensure that any supply of water intended for human consumption which constitutes a potential danger to human health is **prohibited or its use restricted** or such other action is taken as is necessary to protect human health. In such cases consumers shall be informed promptly thereof and given the necessary advice."

It is a helpful information to complete the picture of water quality problems and not adding admin burden, because (i) it will be for a very limited number of cases and WSZ, (ii) it is only a quantitative/statistical question to be indicated by 'Yes' or 'No' and (iii) it complements the column on derogations. The reporting of sheet 4_1 is not mandatory but highly recommended.

- Sheet 11 (WaterSupplyZone): the description of water supply zones was formerly integrated in Table 1. Now there is a separate sheet for this description. Sheet 11 is also subdivided into sheet 11 and sheet 11_1.

In sheet 11_1 four more columns were added to get more detailed information about the location of the water supply zone:

1. WSZ_NUTS_2 code
 2. WSZ_LAU_2_code
 3. Latitude of WSZ
 4. Longitude of WSZ
- At present, no comparable localisation of WSZ exists, but spatial data are needed under DWD for making the information available to public. The four new columns are also a proposal for a step towards georeferenced data (shape files). In order to be able to follow the dynamics of changes with regards to the water supply zones, in sheet 11_1 four more columns were added:
 1. WSZ closed (WSZ has been closed during that reporting year/period?)
 2. WSZ closed reason (why has the WSZ been closed?)
 3. WSZ new successor ID (ID Code of the new WSZ)
 4. Hyperlink to national WSZ fiche (Reference for further information)

The reporting of sheet 11_1 is not mandatory but highly recommended.

- Sheet 12_1 to 12_3 (SmallWaterSupplyZones): The required information about small WSZs are not mandatory but highly recommended. These Sheets are completely new and should provide basic information about small water supply zones < 1,000 m³/day. The Sheets include general information about Member States and water supply zones, monitoring and non-compliance as well as derogations.

It is very important to monitor the basic information about small water supply zones, because the quality of drinking water in these supplies might be of a poorer quality in many EU Member States. EU-wide, not more than 60% of the smaller water supplies deliver water which is compliant with the DWD. To improve the situation, an overview of the information is necessary.

1.4 Guidance notes

- For the purpose of reporting 'a given water supply' Article 9(5) and an 'individual supply of water' Articles 9(7) and 13(2) should be taken as referring to a Water Supply Zone as defined in Note 1 to Table B1 in Annex II of the Directive.
- Domestic installation means in-house installations, also in the case water is served to the public.
- Sheets 1, 3, 4, 5, 6 and 8 apply only to the parameters listed in Annex I of the Directive. Information on additional national parameters and additional national indicator parameters should not be included, but referred to in the information made available by Member States for consumers (see sheets 9 and 10).
- In Sheet 3 only individual pesticides in the agreed shortlist have to be reported. The shortlist of individual pesticides has been produced on the basis of previous reporting reports from the MS to the EC. The shortlist is subject to a rolling revision.
- In Sheet 3, the following indicator parameters do not have a numerical value specified in Part C, Annex I of the Directive: colour, odour, taste, colony count 22°C, total organic carbon and turbidity (subject to Note 7 of Part C). Member States are requested to provide information on (non)- compliance of these parameters against national values.
- Sheets 3, 8: According to Note 1, Part B, Annex I, DWD, the product related parameters Acrylamide, Epichlorohydrin and Vinylchloride don't have to be analysed in the water, but the parametric value must be calculated according to product specification of the corresponding polymer in contact with the water. The report to the Commission should include an explanation in text format in sheet 3, how this provision of the DWD was fulfilled by the MS. It is possible that the product specified parameters are actually analysed in (some) Member States. If this is the case this should be reported in Sheet 8.
- Sheet 11 and 11_1: In order to make the report conform to the WISE approach, the coordinates of the WSZ should be reported. For this purpose, four more columns were added (see chapter 1.3.2).
- With respect to Sheet 1 and Sheet 3, it's for the Member State competent authority to verify the quality of an analytical result. Member States must ensure that sampling and analysis is carried out in accordance with best practice.
- Sheet 9: The Commission wishes to know if Member States are providing up-to-date information in addition to the three-yearly reports required by Article 13(2). It's expected that this will be mainly through national websites but recognises that other forms of information may be used and are valid forms of communication.
- Sheet 10: Article 13(1) requires Member States to take the measures necessary to ensure that adequate and up-to-date information on the quality of water intended for human consumption is available to consumers.

- Sheet 9 and Sheet 10 contain details of the information Member States should provide to the Commission. This form should be submitted to the Commission every three years in accord with Article 13(2).
- Sheet 12: The national information for consumers can for example include details of compliance against national parameters and national standards and compliance for all small water supplies.

1.5 Information required

1.5.1 Information required to be submitted to the European Commission every three years under Article 13

This part concerns the information that is required to enable the Commission to have a picture of each MS general arrangements for drinking water supply. It is anticipated that three categories of general information will be required. These will each cover the whole three-year period:

- general information on Member States drinking water supply arrangements. This information shall be in the format shown in Sheet 2;

There are three categories of data which require annual returns submitted every three years. These data shall relate only to water supply zones where the supply of water exceeds 1000 m³ per day as an average **or** serving more than 5000 persons:

- monitoring information on water supply zones. This information shall be in the format shown in Sheet 1;
- summary information on drinking water quality in water supply zones at a national level. This information shall be in the format shown in Sheets 3 and 8; and
- Information on non-compliant water in water supply zones. This information shall be in the format shown in Sheets 4, 5 and 6.

If MS wish to supply the Commission with data relating to water supply zones where the supply of water is less than 1000 m³ per day as an average and serving less than 5000 persons, they should do so using the same principles and formats (see Sheet 12).

Article 13(1) requires that each Member State shall take the measures necessary to ensure that adequate and up-to-date information on the quality of water intended for human consumption is available to consumers. It is recommended that this should be by means of a national database on drinking water quality accessible through the internet and /or other media (see Sheets 9 and 10).

Member States are not required to report on parameters that are not in the Drinking Water Directive or on stricter national parameters i.e. where standards have been set at a tighter level than those in the Directive.

Additional or stricter parameters (and all other information not required obligatory by the DWD) that shall be supplied additionally in the free form in the Word document files but provision of such information is not mandatory.

1.5.2 Summary of the reporting requirements

The table relates the reporting templates to the reporting requirements per DWD article. The information has to be reported to the European Commission and has to be available to consumers.

Number of sheet	Topic	Article DWD	Periodicity
1	Monitoring information on water supply zones	Article 7, (Annex II)	Annual return submitted every three years
2, 11	General information on drinking water supply arrangements (sheet 2) and water supply zones (sheet 11)		Updated every three years
3, 8	National summary information on drinking water quality in water supply zones	Article 5 (Annex I)	Annual return submitted every three years
4, 5, 6	Information on non-compliant water in water supply zones	Article 8	Annual return submitted every three years
9	Type of information available to the public	Article 13	Updated as regular as possible and practicable
10	Format of drinking water quality information available	Article 13	Updated as regular as possible and practicable
12	Information on small water supply zones	Not mandatory	

2 Description of the reporting sheets

Sheet 1 (AnnualMonitoring)

Annual monitoring in water supply zones that do not meet the minimum monitoring frequency in the DWD

This sheet should only include WSZs in which some or all parameters do not comply with the monitoring frequency in the DWD or that do not comply with the reduced monitoring frequency in the DWD.

The Commission may decide however to ask for additional information on a later stage, depending on the situation.

Column	Column header	Additional information
A	CountryCode	See Sheet <i>EnumerationList</i> ⁽¹⁾ , column A
B	WSZ_ID	ID of Water Supply Zone
C	Parameter	Parameter concerned
D	DWD_Year	Year of reporting

Sheet 2 (MemberState)

General information on Member States drinking water supply arrangements

Only information on individual supplies of water exceeding 1,000 m³ per day as an average or serving more than 5000 persons should be reported.

Information about Water Supply Zones see sheet 11

Column	Column header	Additional information
A	CountryCode	See Sheet <i>EnumerationList</i> , column A
B	DWD_Year	Year of reporting
C	MS_TotalPopulation	Total population in millions ⁽¹⁾
D	MS_NumberWSZ	Total number of water supply zones
E	MS_TotaResidentlPopulation	Total resident population supplied in

Sheet 2 (MemberState)		
		(Sheet 11) ⁽²⁾
F	MS_TotalVolume	Total volume of water supplied in million m³/year
G	MS_Groundwater	% of total volume ^(3, 4)
H	MS_Surfacewater	% of total volume ^(3, 5)
I	MS_Inlandwater	% of total volume ⁽³⁾
J	MS_Coastalwater	% of total volume ⁽³⁾
K	MS_Bankfiltrationwater	% of total volume ⁽³⁾
L	MS_Rainwater	% of total volume ⁽³⁾
M	MS_Otherwater	% of total volume ⁽³⁾
N	MS_ArtificialGrondwaterRecharge	% of total volume ⁽³⁾
O	MS_WebsiteAddress	Website address for public access to the national database on drinking water quality
P	MS_ResponsibleAuthority	Member State contact information
Q	MS_Name	
R	MS_Address	
S	MS_City	
T	MS_Telephone	
U	MS_Fax	
V	MS_Email	
W	MS_NationalSummaryComment	
(1)	Total population in the MS should be reported in millions up to three decimal places.	
(2)	<p>Populations should be reported as whole numbers and not be abbreviated to a decimal.</p> <p>The resident population in a MS is defined as the population that normally resides in the MS. However, in some MS the total population reported in column E can exceed the total population in the MS in column C where there is a significant tourist population.</p>	
(3)	In the case of a mixture of water from different sources allocate to the various categories	
(4)	Groundwater means all water which is below the surface of the ground in the saturation	

Sheet 2 (MemberState)	
	zone and in direct contact with the ground or subsoil.
(5)	Surface water means inland waters, except groundwater; transitional waters and coastal waters (Water Framework Directive 2000/60/EC Art 2.1).

Sheet 3 (NationalSummary)		
National summary information on drinking water quality in water supply zones exceeding 1000 m³ per day as an average or serving more than 5,000 persons		
Column	Column header	Additional information
A	CountryCode	See Sheet <i>EnumerationList</i> , column A
B	Parameter ⁽³⁾	
C	NS_WSZMonitored	Numbers of WSZ Monitored
D	NS_WSZNonComplied	Numbers of WSZ with Non- Compliance
E	NS_Analysis	Numbers of Analyses
F	NS_AnalysisNonComplied	Numbers of Analyses not Complying
G	NS_PercComplying	% of Analyses Complying
H	DWD_NS_SampleLocation_Water	Sampling location ⁽²⁾ , use 'W' for waterworks
I	DWD_NS_SampleLocation_Network	Sampling location ⁽²⁾ , use 'N' for network
J	DWD_NS_SampleLocation_Legal	Sampling location ⁽²⁾ , use 'L' for legal point of delivery
K	DWD_NS_SampleLocation_Tap	Sampling location ⁽²⁾ , use 'T' for tap in domestic installations
L	DWD_Year	Year of reporting
(1)	MS that also measure <i>Clostridium perfringens</i> ex waterworks should also give this information as a note to this sheet.	
(2)	It is possible to enter more than one code if different sample locations are used. The sampling location may refer as well to DWD Annex II, table B1, sub-header.	

Sheet 3 (National Summary)

(3)	See below list of parameters; see sheet 8 for the product specified parameters Acrylamide, Epichlorohydrin and Vinylchloride			
Microbiological Parameters	Chemical Parameters	Draft shortlist of selected individual pesticides ⁽⁴⁾	Indicator Parameters	Indicator Parameters with no numerical value specified in the DWD ⁽⁵⁾
Escherichia coli (E.coli)	Antimony	Desethylatrazine	Aluminium	Colour
Enterococci	Arsenic	Atrazine-Desethyl CAS 6190-65-4	Ammonium	Odour
	Benzene	Atrazine CAS 1912-24-9	Chloride	Taste
	Benzo(a)pyrene	Terbutylatrazine CAS 5915-41-3	Clostridium perfringens	Colony count 220C
	Boron	Bentazon CAS 25057-89-0	Conductivity	Total organic carbon (TOC)
	Bromate	2,6-dichlorbenzamide CAS 2008-58-4	Hydrogen Ion Concentration	Turbidity
	Cadmium	S-Metachlor CAS 87392-12-9	Iron	
	Chromium	2.4 D CAS 94-75-7	Manganese	
	Copper	Simazine CAS 122-34-9	Oxidisability	
	Cyanide	Diuron CAS 330-54-1	Sulphate	
	1,2-dichloroethane	MCPA CAS 94-74-6	Sodium	
	Fluoride	Bromacil CAS 314-40-9	Coliform bacteria	
	Lead	Mecoprop CAS 93-65-2 (US EPA 2014); former CAS 7085-19-0	Tritium	
	Mercury	Isoproturon CAS 34123-59-6	Total Indicative Dose	
	Nickel			
	Nitrate			
	Nitrite ex water works			
	Nitrite in distribution at the tap			
	Nitrate/nitrite formula ³⁽⁶⁾			
	Pesticides – Total			

Sheet 3 (NationalSummary)

	Polycyclic Aromatic Hydrocarbons		
	Selenium		
	Tetrachloroethene and Trichloroethene		
	Trihalomethanes– Total		
(4)	MS are asked to report on the monitoring effort and analytical results on a shortlist of pesticides. The draft shortlist has been compiled on the basis of previous reports from the MS to the EC on pesticides, derogations and non-compliance. Sheet 6 asks for all pesticides that MS report as (non)-compliant in WSZs. The shortlist will be subject to a rolling revision. It is noted that not all pesticides will be monitored by each MS as some of these pesticides will not be a risk to water supplies in these MSs,		
(5)	For the parameters that have no numerical value in the DWD (colour, odour, taste, Colonies Count 22°C, TOC and turbidity) MS are asked to give an indication of the level of (non)-compliance with national standards. As national standards and national perception of these water quality parameters are likely to differ between MS, no attempt will be made to make comparisons at EU level.		
(6)	Annex 1, Part B, Note 5 DWD: Member States must ensure that the condition that $\frac{[\text{nitrate}]}{50} + \frac{[\text{nitrite}]}{3} \leq 1$, the square brackets signifying the concentrations in mg/l for nitrate (NO ₃) and nitrite (NO ₂), is complied with and that the value of 0,10 mg/l for nitrites is complied with ex water treatment works.		

Sheet 4, **4_1**, Sheet 5, Sheet 6 (NonComplianceInformation)

Information on non-compliance of drinking water in water supply zones

Please note:

(a) all individual pesticides in this Sheet that are non-compliant in a WSZ have to be reported on and not only the shortlisted pesticides in Sheet 3.

Sheet 4	Column header	Additional information
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Sheet 4, 4_1, Sheet 5, Sheet 6 (NonComplianceInformation)		
A	CountryCode	See Sheet <i>EnumerationList</i> , column A
B	WSZ_ID	
C	Parameter	
D	NCI_DerogationRef ⁽¹⁾	Member States derogation reference
E	NCI_TotalAnalysis	Total number of analyses
F	NCI_TotalNoncompliances	Total number of non-compliances (NC) All results non-compliant with DWD parametric values should be reported including those covered by a derogation. Applies to all Annex I Part A, B and C parameters and their compliance with the parametric values set down in the DWD
G	NCI_Maximum	Values given should be the maximum value reported of the specific parameter in the WSZ
H	NCI_MedianTotalAnalysis	Median value of all the analysis performed ⁽²⁾ .
I	NCI_MedianNonCompl	Median value of non-compliant analysis ⁽²⁾ .
J	DWD_NCI_ROW_ID ⁽³⁾	
K	DWD_Year	Year of reporting
Sheet 4_1		
A	WSZ_ID	
B	Parameter	
C	DWD_NCI_ROW_ID ⁽³⁾	
D	DWD_NCI_UseRestriction_YN ⁽⁴⁾	Restriction in use; choice: 'Y' (Yes) or 'N' (No)
E	DWD_NCI_UseProhibition_YN ⁽⁴⁾	Prohibition in use; choice: 'Y' (Yes) or 'N' (No)
F	DWD_NCI_Rest_Proh_reason	Text explaining why restriction or prohibition in use, i.e. e.g. high values (non-compliance) of one or more parameters and use of water for kindergarten, school, hospital

Sheet 4, 4_1, Sheet 5, Sheet 6 (NonComplianceInformation)		
G	DWD_NCI_Rest_Proh_timeframe⁽⁵⁾	Timeframe for restriction or prohibition in use; use 'I' or 'V' or 'S' or 'M' or 'L'
H	DWD_Year	Year of reporting
Sheet 5	Column header	Additional information
A	DWD_NCI_ROW_ID⁽³⁾	
B	DWD_Cause⁽⁶⁾	Codes to be used for cause of the non-compliance are given in Sheet <i>EnumerationList</i> and Annex 3.1
C	DWD_NCI_NumberAnalysisNotCompliant	
D	DWD_NCI_Remedial_ID⁽³⁾	
Sheet 6	Column header	Additional information
A	DWD_NCI_RemedialID⁽³⁾	
B	DWD_Remedial	Codes to be used for remedial actions are given in Annex 3.2. If more values are necessary, a new row needs to be added.
C	DWD_NCI_NumberAnalysisRemedialAction	
D	DWD_Timeframe	Codes to be used for the timetable of remedial action are given in Annex 3.3. Multiple timetables can be entered where there are multiple remedial actions with different timetables.
(1)	Information on derogations shall be submitted to the EC in line with the requirements of Article 9 and does not form part of the Article 13 reporting requirements. Templates to report derogations as well as document for all information required on http://forum.eionet.europa.eu/x_wise-reporting/library/drinking-water-directive-library/dwd-data-request-2014	
(2)	The median is a measure of central tendency. To find the median, values were arrange in order from smallest to largest value. If there is an odd number of observations, the median is the middle value.	

Sheet 4, 4_1, Sheet 5, Sheet 6 (NonComplianceInformation)	
	<ul style="list-style-type: none"> - Calculation of the median of <u>all</u> analysis done for a specific parameter - Calculation of the median of <u>non-compliant</u> analysis for a specific parameter
(3)	Additional information are given in the Drinking Water User Manual
(4)	These information are required according to Article 8 (3) DWD (Remedial action and restriction in use)
(5)	<ul style="list-style-type: none"> 'I' for Immediate (not more than 1 day); 'V' for very short-term (not more than one week); 'S' for short-term (not more than 30 days); 'M' for medium-term (more than 30 days but not more than a year); 'L' for long-term (more than a year)
(6)	Where the same parameter has been reported as a non-compliance on more than one occasion in a water supply zone and the non-compliances do not have the same cause/remedial action/timeframe they should be group according to their cause and reported on separated lines.

Sheet 8 (ProductSpecifiedParameters)		
Information given on product specified parameters Acrylamide, Epichlorohydrin and Vinylchloride		
Please note:		
(a) In the Guidance Notes (see chapter 1.4) an explanation is given on the product specified parameters Acrylamide, Epichlorohydrin and Vinylchloride		
(b) if analysis of drinking water for acrylamide, epichlorohydrin or vinylchloride has been carried out this should be stated in this Sheet.		
Column	Column header	Additional information
A	CountryCode	See Sheet <i>EnumerationList</i> , column A
B	PSP_Acrylamide	Text explaining how the Drinking Water directive provision is fulfilled ⁽¹⁾
C	PSP_Epichlorohydrin	
D	PSP_Vinylchloride	

Sheet 8 (ProductSpecifiedParameters)		
E	DWD_Year	Year of reporting
(1)	Text examples from the last reporting: 'Acrylamide is controlled on the basis of product specification. In 52 Water Supply Zones Acrylamide was controlled. All 248 analysis were compliant; 'not analysed'; 'analysis in 2007, all compliant'; 'Analysis carried out giving values <0.1 ug/L'; 'Directive 98/83/EC Annex 1 Part B Note 1'	

Sheet 9 (PublicInformation)		
Type of Information available to the public		
Please note:		
(a) Code: 'Y' (Yes) or 'N' (No)		
(b) The location should be one or more of the alternatives listed in Sheet 10 (see also notes Sheet 10)		
Column	Column header	Additional information
A	CountryCode	See Sheet <i>EnumerationList</i> , column A
B	PINF_NationalSummary	National summary of compliance
C	PINF_NationalSummaryLocation	
D	PINF_RegionalSummary	Regional summary of compliance
E	PINF_RegionalSummaryLocation	
F	PINF_WSZSummary	WSZ summary of compliance
G	PINF_WSZSummaryLocation	
H	PINF_IndividualResults	This means monitoring results on the individual analyses in water supply zones that members of the public can access; Code 'Y' or 'N'
I	PINF_IndividualResultsLocation	
J	PINF_MonitoringResults5000	Monitoring results for small supplies (supplying 10 -1000 m ³ /day as an average or serving 50 - 5000 persons

Sheet 9 (PublicInformation)		
K	PINF_MonitoringResults5000Location	
L	PINF_MonitoringResults50	Monitoring results for very small supplies (supplying less than 10 m3/day on average or serving <50 persons)
M	PINF_MonitoringResults50Location	
N	PINF_ComplianceStricter	Compliance with stricter National Standards
O	PINF_ComplianceStricterLocation	
P	PINF_ComplianceAdditional	Compliance with additional National Standards
Q	PINF_ComplianceAdditionalLocation	
R	PINF_NonCompliant	This means non-compliant monitoring results on individual analyses in water supply zones that members of the public can access
S	PINF_NonCompliantLocation	
T	PINF_Source	Source of the water supply at WSZ level
U	PINF_SourceLocation	
V	PINF_Other	Others
W	PINF_OtherLocation	

Sheet 10 (QualityInformation)		
Format of drinking water quality information available		
Please note:		
(a) Code: 'Y' (Yes) or 'N' (No)		
(b) The location should be the point where the Commission can contact to obtain the types of information listed		
Column	Column header	Additional information
A	CountryCode	See Sheet <i>EnumerationList</i> , column A

Sheet 10 (QualityInformation)		
B	QINF_Website	Website
C	QINF_WebsiteLocation	
D	QINF_NationalReport	Annual Report (National)
E	QINF_NationalReportLocation	
F	QINF_RegionalReport	Annual Report (Regional)
G	QINF_RegionalReportLocation	
H	QINF_NationalTriennialReport	Triennial report (National)
I	QINF_NationalTriennialReportLocation	
J	QINF_Leaflets	Information Leaflets
K	QINF_LeafletsLocation	
L	DWD_QINF_NewsLetter	Newsletters
M	DWD_QINF_NewsLetterLocation	
N	QINF_WaterBills	Information on Drinking Water Quality is included in the water bills sent to customers
O	QINF_WaterBillsLocation	
P	QINF_PublicMeetings	Public Meetings
Q	QINF_PublicMeetingsLocation	
R	QINF_LocalNewspapers	Local Newspapers
S	QINF_LocalNewspapersLocation	
T	QINF_PublicFiles	This means files that are held by the water supplier, local council or government agency or department that any member of the public may inspect during office hours
U	QINF_PublicFilesLocation	
V	QINF_Other	
W	QINF_OtherLocation	

Sheet 11, 11_1 (WaterSupplyZone)

Information of Water Supply Zones

Definition of a supply zone according to Annex II, table B1, Note 1, DWD:

“A supply zone is a geographically defined area within which water intended for human consumption comes from one or more sources and within which water quality may be considered as being approximately uniform.”

Sheet 11	Column header	Additional information
A	CountryCode	See Sheet <i>EnumerationList</i> , column A
B	WSZ_ID	
C	DWD_WSZ_Name	
D	WSZ_NUTScoordinates	WSZ_LAU_2_Code ⁽²⁾
E	WSZ_Residents	Resident population (Population should be reported as whole numbers and not be abbreviated to a decimal)
F	WSZ_Volume	Volume of water supplied in m ³ /d ⁽¹⁾
G	DWD_Year	Year of reporting
Sheet 11_1		
A	WSZ_ID	
B	WSZ_NUTS2_code ⁽²⁾	Aggregate information at regional level
C	WSZ_LAU_2_code ⁽²⁾	Main city of the WSZ
D	DWD_WSZ_lat ⁽³⁾	Latitude of the WSZ (centroid); system WGS-84
E	DWD_WSZ_lon ⁽³⁾	Longitude of the WSZ (centroid) ; system WGS-84
F	DWD_WSZ_Closed	Choice: ‘Y’ (Yes) or ‘N’ (No)
G	DWD_WSZ_ClosedReasons	Use ‘W’ for water quality reason; use ‘N’ for no longer necessary; use ‘O’ for other ⁽⁴⁾
H	DWD_WSZ_ClosedNewSuccessorID	ID code of the replacing (new) WSZ
I	DWD_WSZ_LinkToNationalFiche ⁽⁵⁾	

Sheet 11, 11_1 (WaterSupplyZone)		
J	DWD_Year	Year of reporting
(1)	Volume of water supplied in m ³ /d – annual average	
(2)	<p>For more information to NUTS and LAU: http://epp.eurostat.ec.europa.eu/portal/page/portal/nuts_nomenclature/correspondence_tables/national_structures_eu</p> <p>NUTS 2 list: http://epp.eurostat.ec.europa.eu/portal/page/portal/nuts_nomenclature/history_nuts</p> <p>LAU 2 list: http://epp.eurostat.ec.europa.eu/portal/page/portal/nuts_nomenclature/local_administrative_units</p>	
(3)	<p>It is possible to give a point somewhere inside the WSZ (eg location of the monitoring station) or the centroid of the main city (even if it is not inside the WSZ). For private water supply zone in a restricted area can be either given the centroid of the main city or nothing if there is really a problem of security.</p> <p>Number of decimal places for lat/lon localization: up to six decimal places.</p>	
(4)	<p>‘W’: e.g. high values (non-compliance) of one or more parameters and derogation or remedial action are not possible; ‘N’: use of WSZ is no longer necessary because of e.g. restructure or enlarge of other WSZ; ‘O’: e.g. the supply has changed to somewhere else.</p>	
(5)	Hyperlink to the national WSZ 'fiche' as a reference with further information.	

Sheet 12_1, 12_2, 12_3 (SmallWaterSupplyZones)			
Information of Small Water Supply Zones < 1,000 m³/day, less than 5,000 persons			
Sheet 12_1	Column	Column header	Additional information
Information on Member States	A	CountryCode	See Sheet <i>EnumerationList</i> , column A
	B	DWD_Year	Year of reporting
	C	DWD_S_MS_NumberWSZ	Total number of small water

Sheet 12_1, 12_2, 12_3 (SmallWaterSupplyZones)			
Information of Small Water Supply Zones < 1,000 m³/day, less than 5,000 persons			
			supply zones
	D	DWD_S_MS_TotalVolume	Total volume of water supplied in million m³/year
	E	DWD_S_MS_TotaResidentIPopulation	Total resident population
Sheet 12_2	Column	Column header	Additional information
Information on small water supply zones	A	DWD_S_WSZ_ID	
	B	DWD_S_WSZ_Name	
	C	CountryCode	
	D	DWD_WSZ_NUTS_2_Code ⁽¹⁾	Aggregate information at regional level
	E	DWD_WSZ_LAU_2_Code ⁽¹⁾	Main city of the WSZ
	F	DWD_S_WSZ_Lat ⁽²⁾	Latitude of the WSZ (centroid); system WGS-84
	G	DWD_S_WSZ_Lon ⁽²⁾	Longitude of the WSZ (centroid) ; system WGS-84
	H	DWD_S_Cat_WSZ ⁽³⁾	<i>Use 'C1' or 'C2' or 'C3'</i>
	I	DWD_S_WSZ_Residents	Resident population/No. of persons
	J	DWD_S_WSZ_Volume	Volume of water supplied in m ³ /d
Information on derogations	K	DWD_S_Derogation	Choice: 'Y' (Yes) or 'N' (No) or 'U' (no answer)
	L	DWD_S_DerogationParamConcerned	Parameter concerned for derogation
	M	DWD_Year	
	N	DWD_S_WSZ_RowID ⁽⁴⁾	
Sheet 12_3	Column	Column header	Additional information

Sheet 12_1, 12_2, 12_3 (SmallWaterSupplyZones) Information of Small Water Supply Zones < 1,000 m³/day, less than 5,000 persons			
	A	DWD_S_WSZ_RowID ⁽⁴⁾	
National summary information	B	Parameter	See list of parameters in Sheet 3 (NationalSummary)
	C	DWD_S_NS_WSZMonitored	Numbers of WSZ Monitored
	D	DWD_S_NS_WSZNonComplied	Numbers of WSZ with Non-Compliance
	E	DWD_S_NS_Analysis	Numbers of Analyses
	F	DWD_S_NS_AnalysisNonComplied	Numbers of Analyses not Complying
	G	DWD_S_NS_PercComplying	% of Analyses Complying
(1)	<p>For more information to NUTS and LAU: http://epp.eurostat.ec.europa.eu/portal/page/portal/nuts_nomenclature/correspondence_tables/national_structures_eu</p> <p>NUTS 2 list: http://epp.eurostat.ec.europa.eu/portal/page/portal/nuts_nomenclature/history_nuts</p> <p>LAU 2 list: http://epp.eurostat.ec.europa.eu/portal/page/portal/nuts_nomenclature/local_administrative_units</p>		
(2)	<p>It is possible to give a point somewhere inside the WSZ (eg location of the monitoring station) or the centroid of the main city (even if it is not inside the WSZ). For private water supply zone in a restricted area can be either given the centroid of the main city or nothing if there is really a problem of security.</p> <p>Number of decimal places for lat/lon localization: up to six decimal places.</p>		
(3)	<p>Category 1: supplying 10m³ - 100m³ per day Category 2: supplying 100m³ - 400m³ per day Category 3: supplying 4000m³ - 1,000m³ per day</p>		
(4)	Additional information are given in the Drinking Water User Manual		

3 Annex

3.1 Coding system for the timeframe of restriction or prohibition in use (Sheet 4_1)

Code	Timeframe
I	Immediate i.e. not more than 1 day
V	Very short-term i.e. not more than one week
S	Short-term, i.e. not more than 30 days
M	Medium-term, i.e. more than 30 days but not more than a year
L	Long-term, i.e. more than a year

3.2 Coding system for the causes of non-compliance (Sheet 5)

Code	Cause
C	Catchment related
T	Treatment Plant related
P	Public Distribution Network related
D	Domestic Distribution System related
O	Other Cause
S	Combined Causes
U	Unknown Cause

3.3 Coding system for remedial actions in case of non-compliance (Sheet 6)

CODE ⁽¹⁾	Description of remedial action
<i>C for catchment related</i>	
C1	Action(s) to terminate or mitigate the cause
C2	Action(s) to replace source
<i>T for treatment related</i>	
T	Establishing, upgrading or improving treatment
<i>P for public distribution network related</i>	
P1	Replacement, disconnection or repair of defective components
P2	Cleaning, scouring and/or disinfecting contaminated components
<i>D for domestic distribution system⁽²⁾:</i>	

CODE⁽¹⁾	Description of remedial action
D1	Replacement, disconnection or repair of defective components
D2	Cleaning, scouring and/or disinfecting contaminated components
<i>S for Security measures to prevent unauthorised access</i>	
S1	Security measures to prevent unauthorised access
<i>O for Others</i>	
<i>E for Emergency actions for the consumers' health and safety</i>	
E1	Notification of and instructions to consumers for example, prohibition of use, boil water order, temporary limitations on consumption).
E2	Provision of a temporary alternative drinking water supply (for example, bottled water, water in containers, tankers)
<i>N for None Required</i>	
(1)	More than one of the above codes may apply
(2)	Including domestic installations where water is served to the public

3.4 Coding system for the timeframe of corrective actions (Sheet 6)

Code	Timeframe
I	Immediate i.e. not more than 1 day
S	Short-term, i.e. not more than 30 days
M	Medium-term, i.e. more than 30 days but not more than a year
L	Long-term, i.e. more than a year

3.5 Coding system for reasons of closed Water Supply Zones (Sheet 11_1)

Code	Reason
W	Water quality reason i.e. high values (non-compliance) of one or more parameters and derogation or remedial action are not possible
N	No longer necessary i.e. restructure or enlarge of other WSZ
O	Other reasons i.e. the supply has changed to somewhere else