

Chapter 9

Non financial measures

Water quality

Covering:

- Distribution input affected by legal instruments
- Properties in water supply zones affected by legal instruments
- Distribution input covered by work programmes agreed with the DWI

Chapter 9

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Water quality

This table has two blocks and a total of 9 lines. It covers:

- **Water treatment and distribution**

These lines record the average flows of works and proportions of supplies affected by undertakings or authorised departures at the end of the year. Lines 2 and 5 also record the requirement for new Article 31 undertakings (or Authorised Departures) during the year.

- **Distribution input covered by work programmes agreed with the DWI.**

These lines give a breakdown of the average flows of works during the year covered by compliance programmes for specific parameters. This will allow progress with the specific programmes to be tracked. This includes work which was given technical support by DWI.

Additional information on compliance with the Water Quality Regulations and fulfilment of legal obligations by the due dates will be given by the Drinking Water Inspectorate. Similarly progress with achieving the requirements of the distribution undertakings will be reported each year by DWI.

The quality related information from the returns and the reports from the quality regulators will be used to examine performance with quality standards, the outputs funded in PC10 and the quality of the water received by customers.

Guidance

This information is required each year to allow comparison of the progress with fulfilling all the outstanding time-limited quality obligations. Calendar year reporting is acceptable provided information is reported consistently in each report year. Any change in terms of how information is reported year on year must be fully disclosed and quantified by the company in its commentary and accounted for in the information returned in table 9.

The crucial element is the volume affected. This is the annual average daily output of the works still covered by such legal obligations. In order to show the true balance sheet of the volume affected, any new Article 31 undertakings with other legally binding instruments of work, accepted or required during the year must be recorded in the same way. This is required even for undertakings of short duration, having been accepted and having a due date within the year.

Notes

1. All entries on this table should include bulk supplies into a company supply area.
2. All entries on this table should include PPP supplies. The company should provide details of any PPP elements included in the table in its commentary.
3. The transposition of the new Drinking Water Directive and the introduction of the new Water Quality Regulations has led to changes in the administrative procedures surrounding the enforcement of water quality standards. Definitions have been amended to reflect these changes.
4. The information reported in lines 1, 3, 5 and 6 to 9 relates to the volume of water entering distribution at the end of the year. Therefore data associated with works that have been

decommissioned during the report year should be excluded, even if the undertakings, authorisations or other legally binding instruments for that works have not yet expired.

The requirements for the second block deal with specific parameters and the programme of work funded in PC10, as well as any additional work required by DWI during the PC10 period.

This is separate information from that in lines 1-5, and lines 6 - 9 will not reconcile with them.

The second block, as well as including output from works affected by Article 31 undertakings (or Authorisations) also includes work set down in other legally binding instruments of work. This should be in line with the enhancements determined for PC10, and include any amendments agreed with DWI, or work required by DWI. It will also include any legal undertakings given to regain compliance with the current standards and any new work covered by formal legal requirements, whether or not these are eligible for additional consideration in price limits using either the logging-up or interim determination mechanisms. This information is required at summary level for the year. The monitoring of progress with individual projects will take place with DWI.

In this guidance the term 'legally binding instrument of work' covers all documents setting down the work that the company has agreed to fulfil or is expected to fulfil by the DWI under:

- Article 31 undertakings; and
- Authorisations.

Company commentary

The company should:

- include the Article 31 undertakings' (or other documents) reference numbers, parameter details, and individual volumes affected for each parameter;
- the volume of water entering distribution which is not covered by undertakings or authorised departures provides a measure of the performance of the company. Comments should be made in the commentary if the change since the last report year is significant.
- explain (where necessary) the late delivery of quality enhancement outputs during the report year. The company should also provide an indication of the effect any delays may have on the delivery of the total drinking water programme for the PC10 period; and
- confirm that all other quality enhancement outputs have either been met or are on target to meet due dates.
- submit the following information in its commentary for works decommissioned during the year whose data would otherwise have been included in the figures reported for lines 1, 3, 5 and 6 to 9:
 - a list of the WTWs and their associated DI volumes (and percentages) and zonal properties (and percentages)
 - The date on which the water from each works stopped entering distribution
 - The date on which the associated undertakings, authorisations or other legally binding instruments are due to expire.

Guidance to Reporters

Any queries concerning the legal obligations will be followed up with the Drinking Water Inspectorate.

The reporter should:

- comment on the methodology used to estimate the annual average daily flow rates;

- confirm the value, and the confidence grade assigned by the company for line 3, “% distribution input not affected by Article 31 undertakings (or ADs)”; and
- pay particular attention to ensure that the company only provides details of the volumes that are affected by Article 31 undertakings, authorisations or confirmed programmes of work in lines 1-5. The lines specifically cover the volume affected by the existing water quality regulations. Lines 6 - 9 confirm whether the whole programme including PC10 outputs, amendments through the PC10 period, and other improvement programmes required by DWI have been included.
- confirm whether the full details of any entries have been included in the commentary for lines 2 and 9.
- confirm that, for lines 1, 3, 5 and 6 to 9, the company has not included data associated with works decommissioned during the year which would otherwise have been included in the reported figures.

Table 9 line definitions

A WATER TREATMENT AND DISTRIBUTION

1	Distribution input affected by Article 31 undertakings (or ADs)	MI/d	3dp
Definition	<p>The annual average daily volume of water entering distribution which is covered by Article 31 undertakings, Authorisations or other legally binding instruments of work to carry out improvements to comply with one or more parameters associated with water quality, at the end of the year. DWI and company Article 31 undertaking and other reference numbers to be included in the commentary.</p> <p>Imported bulk and PPP supplies covered by Article 31 undertakings or other legally binding instruments of work for quality should be included with corresponding DWI and company reference numbers.</p>		
Primary Purpose	Checking compliance with statutory and Licence requirements.		
Processing rule	Input		
Responsibility	Network Regulation Team		

2	Distribution input affected by new Article 31s (or ADs) since start of the year.	MI/d	3dp
Definition	<p>The annual average daily volume of water entering distribution which is or has been covered by a new Article 31 undertaking (or Authorisations) or other new legally binding instruments of work for water quality during the year.</p> <p>Include all new Article 31 undertakings, even if given and fulfilled during the report year. Individual DWI and company Article 31 reference numbers, parameters and volumes to be included in the commentary. Each parameter to be counted separately, even if one works is affected by an undertaking with a work programme to deal with a number of parameters.</p> <p>Note: this is the volume covered by Article 31s or other legal instruments to carry out improvements during the year.</p>		
Primary Purpose	Checking compliance with statutory and Licence requirements.		
Processing rule	Input		
Responsibility	Network Regulation Team		

3	Percentage distribution input not affected by Article 31s (or ADs)	%	3dp
Definition	<p>The percentage of the annual average daily volume of water entering distribution which is not covered by either a Article 31 undertaking relating to a water quality parameter or "an Authorisation" or other legally binding instruments of work to carry out improvements to comply with the Water Supply (Water Quality) Regulations (Northern Ireland) 2007 at the end of the year. Only include in the calculation enforcement action or undertakings relating to current enforceable standards.</p> <p>NOTE: this is the position at the end of the year (with legal documents expiring on the last day of the year being disregarded for the calculations).</p>		
Primary Purpose	Checking compliance with statutory and Licence requirements.		
Processing rule	Input		
Responsibility	Network Regulation Team		

4	Percentage of properties in WSZs affected by Article 31s in distribution (or ADs)	%	3dp
Definition	<p>The percentage of the properties in the company supply area that are located in Water Supply Zones covered by a Article 31 undertaking (or Authorisation) for parameters in the distribution system (do not include the lead parameter). This is the position at the end of the year. The properties affected include all those in the Water Supply Zones covered (not just sub-zones) irrespective of the timescale for completing the work.</p> <p>NOTE: This is the position at the end of the year</p>		
Primary Purpose	Checking compliance with statutory and Licence requirements.		
Processing rule	Input		
Responsibility	Network Regulation Team		

5	% Properties in WSZs affected by new Article 31s in distribution (or ADs)	%	3dp
Definition	<p>The percentage of the properties in the company supply area that are located in Water Supply Zones covered by new Article 31 undertakings accepted during the year. For parameters in the distribution system (do not include the lead parameter). The properties affected include all that are in the Water Supply Zones covered.</p> <p>Note: this is the number of properties covered by Article 31 undertakings to carry out improvements/renovation to the distribution system, during the year.</p>		
Primary Purpose	Checking compliance with statutory and Licence requirements.		
Processing rule	Input		
Responsibility	Network Regulation Team		

B DISTRIBUTION INPUT COVERED BY WORK PROGRAMMES AGREED WITH DWI

6	Raw water deterioration	MI/d	3dp
Definition	<p>The annual average daily volume of water entering distribution which is covered by legally binding instruments of work such as Article 31 undertakings (or Authorisations) for water quality parameters. The flow rate for each parameter is to be counted separately. Parameters and associated flows to be detailed in the commentary. This should be the position at the end of the year.</p> <p>Include legal instruments and work programmes included in PC10, and also subsequent legal instruments issued by DWI, whether or not they have been confirmed for price setting or at an interim determination.</p>		
Primary Purpose	Checking compliance with statutory and Licence requirements.		
Processing rule	Input		
Responsibility	Network Regulation Team		

7	Conditioning water supplies to reduce plumbosolvency	MI/d	3dp
Definition	<p>The annual average daily volume of water entering distribution which is covered by a programme of works to condition water supplies to reduce plumbosolvency. This should be the position at the end of the year.</p> <p>Include legal instruments and work programmes included in the PC10, and also subsequent legal instruments issued by DWI, whether or not they have been confirmed for price setting or at an interim determination.</p>		
Primary Purpose	Checking compliance with statutory and Licence requirements.		
Processing rule	Input		
Responsibility	Network Regulation Team		

8	Reducing the risk from Cryptosporidium	MI/d	3dp
Definition	<p>The annual average daily volume of water entering distribution which is legally required to have improvements at treatment works to reduce the risk from cryptosporidium. This should include any work set down in Article 31 undertakings. Do not include the volume from works where continuous monitoring is required. This should be the position at the end of the year.</p> <p>Include legally binding instruments and work programmes included in PC10, and also subsequent legally binding instruments of work issued by DWI, whether or not they have been confirmed for price setting or at an interim determination.</p>		
Primary Purpose	Checking compliance with statutory and Licence requirements.		
Processing rule	Input		
Responsibility	Network Regulation Team		

9	Other	MI/d	3dp
Definition	<p>The annual average daily volume of water entering distribution which is required to have improvements to meet other legal requirements not mentioned in lines 6-8. The commentary should include comprehensive information on the nature of the legal basis of the work to be carried out. This should be the position at the end of the year.</p> <p>Include legally binding instruments and work programmes included in the PC10, and also subsequent legally binding instruments of work issued by DWI, whether or not they have been confirmed for price setting or at an interim determination</p>		
Primary Purpose	Checking compliance with statutory and Licence requirements.		
Processing rule	Input		
Responsibility	Network Regulation Team		

CHANGE CONTROL SHEET

CHAPTER 9

2008/1.0	First issue of chapter for the SBP period.
2009/1.0	Second issue of chapter for the SBP period. - minor amendments to text relating to calendar year reporting.
2010/1.0	Third issue of chapter for the SBP period. - Guidance added on treatment of works decommissioned during the year - Guidance added to clarify PPP treatment.
2011/1.0	First issue of chapter for the PC10 period. - Minor changes e.g. removal of SBP references etc.
2012/1.0	Second issue of chapter for the PC10 period. - No changes to guidance.
2013/1.0	Third issue of chapter for the PC10 period - No changes.