

# PRICE CONTROL FOR WATER AND SEWERAGE SERVICES

PC28

**Final Information Requirements**

**Annex E  
Outputs Definitions**

**15 January 2026**

# About the Utility Regulator

The Utility Regulator is the independent non-ministerial government department responsible for regulating Northern Ireland's electricity, gas, water and sewerage industries, to promote the short and long-term interests of consumers.

We are not a policy-making department of government, but we make sure that the energy and water utility industries in Northern Ireland are regulated and developed within ministerial policy as set out in our statutory duties.

We are governed by a Board of Directors and are accountable to the Northern Ireland Assembly through financial and annual reporting obligations.

We are based at Millenium House in the centre of Belfast. The Chief Executive and two Executive Directors lead teams in each of the main functional areas in the organisation: CEO Office; Price Controls; Networks and Energy Futures; and Markets and Consumer Protection and Enforcement. The staff team includes economists, engineers, accountants, utility specialists, legal advisors and administration professionals.

<b>OUR MISSION</b>	<b>OUR VALUES</b>
To protect the short and long-term interests of consumers of electricity, gas and water.	<b>ACCOUNTABLE:</b> We take ownership of our actions.
<b>OUR VISION</b>	<b>TRANSPARENT:</b> Ensuring trust through openness and honesty.
To ensure value and sustainability in energy and water.	<b>COLLABORATIVE:</b> Connecting and working with others for a shared purpose.
	<b>DILIGENT:</b> Working with care and rigour.
	<b>RESPECTFUL:</b> Treating everyone with dignity and fairness.

## ABSTRACT

This document sets out Utility Regulator's information requirements for the next water and sewerage service price control, PC28. We have set out our requirement for NI Water to outline its strategic vision for the development and delivery of water and sewerage services. This annex sets out the definitions in relation to outputs and serviceability.

## AUDIENCE

This document will be of particular interest to Northern Ireland Water. It may also be of interest to stakeholders across the water and sewerage services sector including consumers and those with responsibilities or interests in water or wastewater regulation in Northern Ireland. Our objective is to ensure inclusive engagement and transparency throughout the price control process.

## CONSUMER IMPACT

Through the PC28 Price Control we will determine an efficient, consumer-focused package of outputs and set a revenue allowance for NI Water for the next price control period.

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# 1. Table 4.1 - Water Provision and Service Outputs

**Table 4.1 - Block A - Consumer Service**

Line 1	<b>DG2 Properties at risk of low pressure removed from the risk register by company action</b>	nr	0dp
Definition	<p>The number of properties which have been confirmed as at risk of receiving low pressure, where company action in the year restores the reference level of service and this is confirmed through a complete post project appraisal.</p> <p>The number reported should be consistent with the information submitted in Table 4.4 of the PC28 outputs submission.</p>		

Processing Rules	Input		
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Line 2	<b>DG2 Properties receiving pressure below the reference level at end of year</b>	nr	0dp
Definition	<p>The total number of properties in the undertaker's area of water supply which, at the end of the year, have received and are likely to continue to receive a pressure or flow below the reference level.</p>		
Processing Rules	Input		

Line 3	<b>DG3 Supply Interruptions &gt;12hrs (unplanned and un-warne)</b>	%	2dp
Definition	<p>DG3: The percentage of properties affected by interruptions to supply of more than twelve hours' duration which are unplanned, un-warne (excluding overruns of planned and warned interruptions) except for those caused directly by third parties. It includes interruptions for which consumers are notified less than 48 hours in advance.</p>		
Processing Rules	Input		

Line 3a	DG3 Supply interruptions >6hrs (unplanned and un-warned)	%	2dp
Definition	DG3: The percentage of properties affected by interruptions to supply of more than six hours' duration which are unplanned, un-warned (excluding overruns of planned and warned interruptions) except for those caused directly by third parties. It includes interruptions for which consumers are notified less than 48 hours in advance.		
Processing Rules	Input		

Line 3b	DG3 Supply interruptions >24hrs (unplanned and un-warned)	%	2dp
Definition	DG3: The percentage of properties affected by interruptions to supply of more than twenty four hours' duration which are unplanned, un-warned (excluding overruns of planned and warned interruptions) except for those caused directly by third parties. It includes interruptions for which consumers are notified less than 48 hours in advance.		
Processing Rules	Input		

Line 4	DG3 Supply interruptions (overall performance score)	nr	2dp
Definition	A score calculated from the percentage of properties in the company's area affected by unplanned and un-warned supply interruptions greater than 6 hours, 12 hours and 24 hours.		
Processing Rules	Calculated: Line 3a plus Line 3 plus (Line 3b multiplied by 2)		

Line 5	DG8 % metered customers received bill based on a meter reading	%	2dp
Definition	Bills for metered customers; the percentage of customers with metered accounts, who during the year receive at least one bill based on a company or customer meter reading. The number of customers receiving a bill based on a meter reading (either by the company or the customer) during the report year divided by ([the number of customers receiving a metered account for water supply only, water supply and sewerage services, or sewerage services only i.e. both households and non-households whose water supply etc. charge is based on a meter] minus [meter accounts excluded from the indicator as defined in AIR25, Table 5, Line 7]), all multiplied by 100.		
Processing Rules	Input		

Line 6	Unwanted contacts	nr	0dp
Definition	Total number of unwanted contacts made by customers to the company during the reporting year		
Processing Rules	Input		

Line 7	First Point of Contact Resolved (FPOCR)	%	1dp
Definition	A contact is deemed to be dealt with at first point if there is no repeat contact from the same property on the same issue in the time-period applying.		
Processing Rules	Input		

Line 8	Net Promoter Score (all contacts)	nr	0dp
Definition	CESS NPS-style recommendation Q70 The annual satisfaction score generated by 4 waves of customer surveys (1 = 'not at all likely' and 10 = 'extremely likely' to recommend their water company to a friend or colleague).		
Processing Rules	Input		

Line 9	Total leakage	MI/d	0dp
Definition	The total leakage including distribution losses and supply pipe leakage, calculated using the methodology the company adopted to develop its leakage targets and uses to prepare the Annual Information Return.		
Processing Rules	Input		

Line 10	Security of Supply Index	nr	0dp
Definition	Security of supply index calculated using the levels of service the company uses to plan its supply/demand balance. The calculation should be consistent with that set out for Table 10a(i) of the AIR. A score of 100 will indicate that the actual level of service provided to all customers meets or betters the planned level of service.		
Processing Rules	Input		

Line 11	Percentage of NI Water's power usage derived from renewable sources	%	1dp
Definition	The percentage of NI Water's power usage derived from renewable sources. This should include power used at PPP sites.		
Processing Rules	Input		

**Table 4.1 - Block B - Quality Water**

<b>Line 12</b>	<b>% overall compliance with drinking water regulations</b>	<b>%</b>	<b>2dp</b>
Definition	<p>The percentage overall compliance of the public water supply with the regulatory water quality standards set by the European Union Drinking Water Directive (and as required by National legislation). This figure should be based on statutory samples taken for key water quality parameters at water treatment works, service reservoirs and consumers' taps and be consistent with the overall compliance figure reported on a calendar year basis by DWI in its annual Drinking Water Quality Report.</p>		
Processing Rules	Input		

<b>Line 13</b>	<b>% compliance at consumers tap</b>	<b>%</b>	<b>2dp</b>
Definition	<p>The percentage compliance of the public water supply with the regulatory water quality standards set by the European Union Drinking Water Directive (and as required by National legislation) at consumer taps.</p> <p>This figure should be based on statutory samples taken for key water quality parameters at consumers' taps (including supply points) and be consistent with the overall "consumers' tap or supply point" compliance figure reported on a calendar year basis by DWI in its annual Drinking Water Quality Report.</p>		
Processing Rules	Input		

<b>Line 14</b>	<b>% Iron compliance at consumers tap</b>	<b>%</b>	<b>2dp</b>
Definition	<p>The percentage compliance of the public water supply with the regulatory water quality standard set by the European Union Drinking Water Directive (and as required by National legislation) for iron at consumer taps.</p> <p>This figure should be based on statutory samples taken for iron at consumers' taps and be consistent with the iron compliance figure reported on a calendar year basis by DWI in its annual Drinking Water Quality Report.</p>		
Processing Rules	Input		

Line 15	% Service Reservoirs with coliforms in >5% samples	%	2dp
Definition	<p>The percentage of the overall number of service reservoirs that have not complied with the national regulatory standard (i.e. at least 95 per cent of samples collected weekly from each service reservoir throughout the calendar year to be free from all coliform bacteria).</p> <p>This figure should be consistent with the information reported on a calendar year basis by DWI in its annual Drinking Water Quality Report</p>		
Processing Rules	Input		

**Table 4.1 - Block C - Water Outputs**

Line 16	Water mains activity - Length of new, renewed or relined mains	km	2dp
Definition	<p>Length of new, renewed or relined mains in the year as part of a programme of planned upgrades. This equates to the information reported in Line 18 of Table A of the information return.</p> <p>Include new mains and mains renewals involving upsizing, whose prime justification is the requirement for additional capacity.</p> <p>Include mains whose prime purpose is renewal of an existing main, even where the existing main remains in service (i.e. is not abandoned immediately on commissioning of new main).</p> <p>Include mains sleeving/pipe cracking/sliplining and all spray applied lining where used for this prime purpose category of work.</p> <p>Exclude mains activity forming part of the nominated trunk mains schemes, new connections, mains on new developments, requisitioned mains and diversions of existing assets to facilitate road schemes or new developments.</p> <p>The length reported should be consistent with the information submitted in Table 4.4 of the PC28 outputs submission.</p>		
Processing Rules	Calculated: Line 16a plus Line 16b plus Line 16c		

Line 16a	Water mains activity - Length of new water mains	km	2dp
Definition	Length of new mains laid in the year as part of a programme of planned upgrades. This is the length of new mains contributing to the figure reported in Line 16. Include new mains and mains renewals involving upsizing, whose prime justification is the requirement for additional capacity. Exclude mains activity forming part of the nominated trunk mains schemes, new connections, mains on new developments, requisitioned mains and diversions of existing assets to facilitate road schemes or new developments. The length reported should be consistent with the information submitted in Table 4.4 of the PC28 outputs submission		
Processing Rules	Input		

Line 16b	Water mains activity - Length of renewed water mains	km	2dp
Definition	Length of mains renewed in the year as part of a programme of planned upgrades. This is the length of renewed mains contributing to the figure reported in Line 16.  Include mains whose prime purpose is renewal of an existing main, even where the existing main remains in service (i.e. is not abandoned immediately on commissioning of new main).  Include mains sleeving/pipe cracking/sliplining where used for this prime purpose category of work, and record any original main as abandoned.  Exclude mains activity forming part of the nominated trunk mains schemes, new connections, mains on new developments, requisitioned mains and diversions of existing assets to facilitate road schemes or new developments.  The length reported should be consistent with the information submitted in Table 4.4 of the PC28 outputs submission		
Processing Rules	Input		

Line 16c	Water mains activity - Length of relined water mains	km	2dp
Definition	<p>Length of mains relined in the year as part of a programme of planned upgrades. Include all spray applied lining. This is the length of relined mains contributing to the figure reported in Line 16.</p> <p>Exclude mains activity forming part of the nominated trunk mains schemes, new connections, mains on new developments, requisitioned mains and diversions of existing assets to facilitate road schemes or new developments.</p> <p>The length reported should be consistent with the information submitted in Table 4.4 of the PC28 outputs submission.</p>		
Processing Rules	Input		

Line 17	Completion of nominated trunk main schemes	nr	0dp
Definition	<p>The number of nominated trunk main schemes achieving their beneficial use milestone in the year.</p> <p>The beneficial use milestone date used should be as defined in the PC28 Capital Investment reporting requirements and consistent with that submitted in the PC28 Capital Investment Tables.</p> <p>The number reported should be consistent with the information submitted in Table 4.4 of the PC28 outputs submission.</p>		
Processing Rules	Input		

Line 18	Completion of nominated water treatment works schemes	nr	0dp
Definition	<p>The number of nominated water treatment upgrades schemes achieving their beneficial use milestone in the year.</p> <p>The beneficial use milestone date used should be as defined in the PC28 Capital Investment reporting requirements and consistent with that submitted in the PC28 Capital Investment Tables.</p> <p>The number reported should be consistent with the information submitted in Table 4.4 of the PC28 outputs submission.</p>		
Processing Rules	Input		

Line 19	Completion of nominated improvements to increase the capacity of service reservoirs and clear water tanks	nr	Odp
Definition	<p>The number of nominated service reservoirs and clear water tanks schemes achieving their beneficial use milestone in the year.</p> <p>The beneficial use milestone date used should be as defined in the PC28 Capital Investment reporting requirements and consistent with that submitted in the PC28 Capital Investment Tables.</p> <p>The number reported should be consistent with the information submitted in Table 4.4 of the PC28 Output submission.</p>		
Processing Rules	Input		

**Table 4.1 - Block D - Serviceability**

Line 20	Water infrastructure serviceability	Text	N/A
Definition	<p>Company assessment of the trend in serviceability to customers provided by water infrastructure assets, as measured by movements in service and asset performance indicators.</p> <p>Categorised as Improving, Stable, Marginal or Deteriorating.</p>		
Processing Rules	Copied: Table 4.5 Line 16		

Line 21	Water non-infrastructure serviceability	Text	N/A
Definition	<p>Company assessment of the trend in serviceability to customers provided by water non-infrastructure assets, as measured by movements in service and asset performance indicators.</p> <p>Categorised as Improving, Stable, Marginal or Deteriorating.</p>		
Processing Rules	Copied: Table 4.5 Line 30		

**Table 4.1 - Block E - PC15 additional Water Service Output Measures**

<b>Line 22</b>	<b>Number of lead communication pipes replaced under the proactive lead replacement programme</b>	<b>nr</b>	<b>Odp</b>
Definition	<p>The number of lead communication pipes replaced in the reporting year through the proactive lead pipe replacement program. Excludes the number of lead communication pipes replaced through mains rehabilitation or as a consequence of water quality sample results or consumer requests.</p> <p>The number reported should be consistent with the information submitted in Table 4.4 of the PC28 outputs submission if related to a Capex delivery project or programme of work.</p>		
Processing Rules	Input		

<b>Line 23</b>	<b>Number of school visits</b>	<b>nr</b>	<b>Odp</b>
Definition	<p>The number of school visits. This should equate to the total number of Water Bus visits, class visits and activities held at the Education Centre.</p> <p>The number reported should be consistent with the information submitted in Table 4.4 of the PC28 outputs submission if related to a Capex delivery project or programme of work.</p>		
Processing Rules	Input		

<b>Line 24</b>	<b>Number of other education events</b>	<b>nr</b>	<b>Odp</b>
Definition	<p>Number of other education and public awareness events, excluding school visits. This should include community visits, attendance at community events and events held at the Silent Valley or the Education Centre.</p> <p>The number reported should be consistent with the information submitted in Table 4.4 of the PC28 outputs submission if related to a Capex delivery project or programme of work.</p>		
Processing Rules	Input		

**Table 4.1 - Block F - PC21 Additional Water Service Output Measures**

Line 25	Number of catchments where management plan recommendations have been implemented	nr	0dp
Definition	The number of catchments where interventions have been implemented. The number reported should be consistent with the information submitted in Table 4.4 of the PC28 outputs submission if related to a capex delivery project or programme of work.		
Processing Rules	Input		

Line 26	Number of treatability studies completed	nr	0dp
Definition	The number of treatability studies on the priority list agreed with DWI, completed during the year. The number reported should be consistent with the information submitted in Table 4.4 of the PC28 outputs submission if related to a Capex delivery project or programme of work.		
Processing Rules	Input		

**Table 4.1 - Block G - PC28 Additional Water Service Output Measures**

Line 27	Additional PC28 Water service Output Measure 1 - Title tbc by NI Water if used	tbc	Tbc
Definition	Tbc by NI Water if used		
Processing Rules	Input		

Line 28	Additional PC28 Water service Output Measure 2 – Title tbc by NI Water if used	tbc	Tbc
Definition	Tbc by NI Water if used		
Processing Rules	Input		

## 2. Table 4.2 - Sewerage Provision and Service Outputs

**Table 4.2 - Block A - Customer Service Sewerage**

Line 1	<b>DG5 Properties at risk of flooding - number removed from the 2 in 10, 1 in 10 and 1 in 20 risk register by company action</b>	nr	0dp
Definition	<p>The number of properties removed from the 2 in 10, 1 in 10 and 1 in 20 "at risk" register by company action in the period.</p> <p>These are properties removed from being at risk of flooding due to company action such as sewer enhancement which is linked to capital investment (for capital maintenance, ESL or SDB purposes) in the sewerage system.</p> <p>The number reported should be consistent with the information submitted in Table 4.4 of the PC28 outputs submission.</p>		
Processing Rules	Input		

Line 2	<b>DG5 Properties on the 2 in 10, 1 in 10 and 1 in 20 risk register at the end of the year</b>	nr	0dp
Definition	<p>The total number of properties which have flooded and are deemed to be at risk of flooding more than twice in ten years, more than once in ten years (but less than 2 in 10) and more than once in twenty years (but less than 1 in 10) at the end of the year.</p>		
Processing Rules	Input		

**Table 4.2 - Block B - Quality Sewerage**

Line 3	% WwTW discharges compliant with numeric consents	%	1dp
Definition	<p>The percentage of wastewater treatment works discharges with numeric discharge consents which were sampled on behalf of the Northern Ireland Environment Agency (NIEA) in the calendar year and found to be compliant with the consent conditions.</p> <p>Compliance shall be assessed for all WwTW which have a numeric consent as defined by NIEA in its assessment of compliance for the calendar year.</p> <p>Compliance of each WwTW shall be assessed against all consent parameters and conditions considered by NIEA when it assesses and publishes compliance data for the calendar year.</p> <p>The denominator used to calculate percentage compliance shall be the total number of WwTW discharges with numeric consents as defined by NIEA in its assessment of compliance for the calendar year. The numerator shall be the number of discharges recorded as having no failures of the consent conditions considered by NIEA when it assesses and publishes compliance data for the calendar year.</p> <p>The % WwTW compliance reported should be the same as that reported by NIEA for the % of WwTWs compliant with numeric consents for the calendar year.</p>		
Processing Rules	Input		

Line 4	% of total p.e. served by WwTWs compliant with numeric consents excluding upper tier failures	%	1dp
Definition	<p>Percentage of population equivalent served by wastewater treatment works with numeric consents which were sampled on behalf of the Northern Ireland Environment Agency (NIEA) in the calendar year and found to be compliant with the consent conditions excluding upper tier failures.</p> <p>Compliance shall be assessed for all WwTW which have a numeric consent as defined by NIEA in its assessment of compliance for the calendar year. Compliance for each WwTW shall be assessed against all consent parameters and conditions considered by NIEA when it assesses and publishes compliance data for the calendar year excluding upper tier failures.</p>		
Processing Rules	Input		

Line 5	<b>Small WwTW compliance (works greater than or equal to 20p.e. but less than 250 p.e.)</b>	%	2dp
Definition	<p>The percentage of wastewater treatment works in the size band 20 – 249 population equivalent (inclusive) that are compliant with the Northern Ireland Environment Agency (NIEA) consent conditions in the calendar year.</p> <p>This measure is directly linked to delivery of small works under the Rural Wastewater Improvement Project (RWIP) as agreed with NIEA.</p>		
Processing Rules	Input		

Line 6	<b>Number of high and medium pollution incidents attributable to NI Water</b>	nr	0dp
Definition	<p>The total number of high and medium category water and sewerage pollution incidents attributed to NI Water in the calendar year.</p> <p>This should be consistent with information reported by NIEA.</p>		
Processing Rules	Input		

**Table 4.2 - Block C - Sewerage Outputs**

Line 7	<b>Sewerage activity - Length of sewers replaced or renovated</b>	km	2dp
Definition	<p>Length of sewers replaced or renovated in the year to maintain serviceability or to enhance service / quality. Include all cement and epoxy relining. The length reported should be consistent with the information submitted in Table 4.4 of the PC28 outputs submission.</p>		
Processing Rules	Calculated: Line 7b plus Line 7c		

Line 7a	<b>Sewerage activity - Length of new sewers</b>	km	2dp
Definition	<p>Length of new sewers constructed in the year. Exclude new sewers adopted by the company. Include gravity sewers and rising mains.</p> <p>The length reported should be consistent with the information submitted in Table 4.4 of the PC28 outputs submission.</p>		
Processing Rules	Input		

Line 7b	<b>Sewerage activity - length of sewers renovated</b>	km	2dp
Definition	<p>Length of sewers renovated in the year. Include all cement and epoxy relining. Include gravity sewers and rising mains. This is the length of renovated sewers contributing to the figure reported in Line 7.</p> <p>The length reported should be consistent with the information submitted in Table 4.4 of the PC28 outputs submission.</p>		
Processing Rules	Input		

Line 7c	<b>Sewerage activity - length of sewers replaced</b>	km	2dp
Definition	<p>Length of sewers replaced in the year. Include gravity sewers and rising mains. This is the length of replaced sewers contributing to the figure reported in Line 7.</p> <p>The length reported should be consistent with the information submitted in Table 4.4 of the PC28 outputs submission.</p>		
Processing Rules	Input		

Line 8	<b>Delivery of improvements to nominated UIDs as part of a defined programme of work</b>	nr	0dp
Definition	<p>The number of nominated unsatisfactory intermittent discharges achieving their beneficial use milestone in the year.</p> <p>The beneficial use milestone date used should be as defined in the PC28 Capital Investment reporting requirements and be consistent with that submitted in the PC28 Capital Investment Tables.</p> <p>The number reported should be consistent with the information submitted in Table 4.4 of the PC28 outputs submission.</p>		
Processing Rules	Input		

Line 9	<b>Delivery of improvements to nominated WwTWs as part of a defined programme of work</b>	nr	Odp
Definition	<p>The number of nominated wastewater treatment works achieving their beneficial use milestone in the year.</p> <p>The beneficial use milestone date used should be as defined in the PC28 Capital Investment reporting requirements and be consistent with that submitted in the PC28 Capital Investment Tables.</p> <p>The number reported should be consistent with the information submitted in Table 4.4 of the PC28 outputs submission.</p>		
Processing Rules	Input		

Line 10	<b>Small wastewater treatment works delivered as part of the rural wastewater investment programme</b>	nr	Odp
Definition	<p>Number of small wastewater treatment works improved under the Rural Wastewater Investment Programme agreed with NIEA.</p> <p>The beneficial use milestone date used should be as defined in the PC28 Capital Investment reporting requirements and be consistent with that submitted in the PC28 Capital Investment Tables.</p> <p>The number reported should be consistent with the information submitted in Table 4.4 of the PC28 outputs submission.</p>		
Processing Rules	Input		

**Table 4.2 - Block D - Serviceability**

Line 11	<b>Sewerage infrastructure serviceability</b>	Text	N/A
Definition	<p>Company assessment of the trend in serviceability to customers provided by sewerage infrastructure assets, as measured by movements in service and asset performance indicators.</p> <p>Categorised as Improving, Stable, Marginal or Deteriorating</p>		
Processing Rules	Copied: Table 4.5 Line 45		

Line 12	<b>Sewerage non-infrastructure serviceability</b>	Text	N/A
Definition	<p>Company assessment of the trend in serviceability to customers provided by sewerage non-infrastructure assets, as measured by movements in service and asset performance indicators.</p> <p>Categorised as Improving, Stable, Marginal or Deteriorating.</p>		
Processing Rules	Copied: Table 4.5 Line 54		

**Table 4.2 - Block E - PC15 Additional Sewerage Service Output Measures**

<b>Line 13</b>	<b>CSO and EO discharges at which event and duration monitoring equipment has been installed</b>	<b>nr</b>	<b>0dp</b>
Definition	<p>Number of CSO and EO discharges at which event and duration monitoring equipment has been installed/fully optimised during the report year and meet NIEA requirements.</p> <p>The number reported should be consistent with the information submitted in Table 4.4 of the PC28 outputs submission if related to a Capex delivery project or programme of work.</p>		
Processing Rules	Input		

<b>Line 14</b>	<b>Number of qualifying WwTWs assessed and/or upgraded if required to comply with PPC Regulations</b>	<b>nr</b>	<b>0dp</b>
Definition	<p>Number of qualifying Wastewater Treatment Works delivered as part of the defined programme of improvements to comply with PPC Regulations.</p> <p>The number reported should be consistent with the information submitted in Table 4.4 of the PC28 outputs submission if related to a Capex delivery project or programme of work.</p>		
Processing Rules	Input		

<b>Line 15</b>	<b>Impermeable surface water collection area removed from the combined sewerage network</b>	<b>m<sup>2</sup></b>	<b>0dp</b>
Definition	<p>Impermeable surface water collection area (such as roads and pavements, roofs and hardstandings) removed from the combined sewerage network through the storm water separation and infiltration reduction programme.</p> <p>The number reported should be consistent with the information submitted in Table 4.4 of the PC28 outputs submission if related to a Capex delivery project or programme of work.</p>		
Processing Rules	Input		

Line 16	Number of sustainable WwTW solutions delivered (p.e. $\geq 250$ )	nr	0dp
Definition	<p>Number of 'sustainable solution' WwTWs serving a p.e. <math>\geq 250</math> delivered as part of the defined programme of work for improvements to nominated WwTWs.</p> <p>This should be consistent with information submitted in the PC28 Capital Investment Tables and Table 4.4 of the PC28 outputs submission.</p>		
Processing Rules	Input		

Line 17	Number of sustainable WwTW solutions delivered (p.e. $< 250$ )	nr	0dp
Definition	<p>Number of 'sustainable solution' WwTW serving a p.e. <math>&lt; 250</math> delivered as part of the defined programme of work for improvements to nominated WwTWs.</p> <p>This should be consistent with information submitted in the PC28 Capital Investment Tables and Table 4.4 of the PC28 outputs submission.</p>		
Processing Rules	Input		

**Table 4.2 - Block F - PC21 Additional Sewerage Service Output Measures**

Line 18	Number of current Economic Constraint Areas eased	nr	0dp
Definition	<p>The number of current Economically Constrained Areas (ECAs) which have economic development eased as a consequence of PC investment.</p> <p>ECAs are defined as priority hub towns that face economic development freeze conditions or severe growth constraints due to inadequate sewerage infrastructure - either treatment capacity, network or both. The number reported should relate to the areas that were assessed as being constrained at the time of the relevant business plan submission.</p>		
Processing Rules	Input		

Line 19	Number of current Serious Development Restrictions eased	nr	0dp
Definition	<p>The number of current Serious Development Restrictions (SDRs) which have economic development eased as a consequence of PC investment.</p> <p>SDRs are defined as other non-hub towns where the sewerage infrastructure (either treatment capacity, network or both) is deemed to be at full capacity. The number reported should relate to the areas that were assessed as being constrained at the time of the relevant business plan submission.</p>		
Processing Rules	Input		

**Table 4.2 - Block G - PC28 Additional Sewerage Service Output Measures**

Line 20	Additional PC28 Sewerage Service Output Measure 1 – Title tbc by NI Water if used	tbc	Tbc
Definition	tbc by NI Water if used		
Processing Rules	Input		
Line 21	Additional PC28 Sewerage Service Output Measure 2 - Title tbc by NI Water if used	tbc	Tbc
Definition	Tbc by NI Water if used		
Processing Rules	Input		

### 3. Table 4.4 - Outputs delivered by PC28 Capital Projects and Programmes of work

**Table 4.4 - Block A - Project Information**

Column 1	Project ID Reference	Text	
Field name	PI_Project_ID		
Definition	Unique project identifier as defined in the information requirements for the capital investment submission. The project identifiers used should be consistent with those used in the PC28 capital investment submission		
Processing Rules	Input		

Column 2	Project Name	Text	
Field name	PI_Project_Name		
Definition	Descriptive name of project as defined in the information requirements for the capital investment submission. The project names used should be consistent with those used in the PC28 capital investment submission.		
Processing Rules	Input		

Column 3	Primary Investment Programme	Text	
Field name	PI_PC28_Prog		
Definition	The primary PC28 programme for the project as defined in the PC28 Programme reference table in the information requirements for the capital investment submission. The primary investment programmes used should be consistent with those used in the PC28 capital investment submission.		
Processing Rules	Input		

Column 4	Quality Regulator Date (if appropriate)	dd/mm/yyyy	
Field name	N/A		
Definition	<p>The mandatory delivery date for the key output (such as discharge consent or water quality improvement) as determined by the relevant regulator.</p> <p>The company may choose to profile the project to achieve beneficial use in advance of the mandatory delivery date to work within the confines of PE expenditure limits and to manage a reasonable programme level expenditure profile</p>		
Processing Rules	Input		

Column 5	Current actual or projected beneficial use date (if appropriate)	dd/mm/yyyy	
Field name	CAM_BU		
Definition	<p>The current actual or projected milestone date for beneficial use as defined in the PC28 Programme reference table in the information requirements for the capital investment submission.</p> <p>The date should be consistent with that used in the PC28 capital investment submission.</p>		
Processing Rules	Input		

**Table 4.4 - Block B - Project Outputs**

Column 6	PC28 Output Ref Code	Text	
Field name	N/A		
Definition	<p>The output reference code relevant to the output being recorded for the project.</p> <p>The codes that are to be used for each defined output are listed in "Table 5.4 – PC28 Output Reference Codes" in Chapter 5 of the PC28 Information Requirements document.</p>		
Processing Rules	Input		

Column 7	Output units	Text	
Field name	N/A		
Definition	<p>The output units relevant to the output being recorded for the project.</p> <p>The units that are to be used for each defined output are listed in "Table 5.4 – PC28 Output Reference Codes" in Chapter 5 of the PC28 Information Requirements document.</p>		
Processing Rules	Input		

Column 8	2010/11 Outputs	nr	0dp
Field name	N/A		
Definition	The actual or projected output for 2010/11		
Processing Rules	<p>Input: Separate lines to be used for each output associated with each project/programme of work.</p> <p>The total of all lines for each output should equal the summary figures entered in the equivalent lines and columns on Tables 4.1 and 4.2</p>		

Column 9	2011/12 Outputs	nr	0dp
Field name	N/A		
Definition	The actual or projected output for 2011/12		
Processing Rules	<p>Input: Separate lines to be used for each output associated with each project/programme of work.</p> <p>The total of all lines for each output should equal the summary figures entered in the equivalent lines and columns on Tables 4.1 and 4.2</p>		

Column 10	2012/13 Outputs	nr	0dp
Field name	N/A		
Definition	The actual or projected output for 2012/13		
Processing Rules	<p>Input: Separate lines to be used for each output associated with each project/programme of work.</p> <p>The total of all lines for each output should equal the summary figures entered in the equivalent lines and columns on Tables 4.1 and 4.2</p>		

Column 11	2013/14 Outputs	nr	0dp
Field name	N/A		
Definition	The actual or projected output for 2013/14		
Processing Rules	<p>Input: Separate lines to be used for each output associated with each project/programme of work.</p> <p>The total of all lines for each output should equal the summary figures entered in the equivalent lines and columns on Tables 4.1 and 4.2</p>		

Column 12	2014/15 Outputs	nr	Odp
Field name	N/A		
Definition	The actual or projected output for 2014/15		
Processing Rules	<p>Input: Separate lines to be used for each output associated with each project/programme of work.</p> <p>The total of all lines for each output should equal the summary figures entered in the equivalent lines and columns on Tables 4.1 and 4.2</p>		

Column 13	2015/16 Outputs	nr	Odp
Field name	N/A		
Definition	The actual or projected output for 2015/16		
Processing Rules	<p>Input: Separate lines to be used for each output associated with each project/programme of work.</p> <p>The total of all lines for each output should equal the summary figures entered in the equivalent lines and columns on Tables 4.1 and 4.2</p>		

Column 14	2016/17 Outputs	nr	Odp
Field name	N/A		
Definition	The actual or projected output for 2016/17		
Processing Rules	<p>Input: Separate lines to be used for each output associated with each project/programme of work.</p> <p>The total of all lines for each output should equal the summary figures entered in the equivalent lines and columns on Tables 4.1 and 4.2</p>		

Column 15	2017/18 Outputs	nr	Odp
Field name	N/A		
Definition	The actual or projected output for 2017/18		
Processing Rules	<p>Input: Separate lines to be used for each output associated with each project/programme of work.</p> <p>The total of all lines for each output should equal the summary figures entered in the equivalent lines and columns on Tables 4.1 and 4.2</p>		

Column 16	2018/19 Outputs	nr	Odp
Field name	N/A		
Definition	The actual or projected output for 2018/19		
Processing Rules	<p>Input: Separate lines to be used for each output associated with each project/programme of work.</p> <p>The total of all lines for each output should equal the summary figures entered in the equivalent lines and columns on Tables 4.1 and 4.2</p>		

Column 17	2019/20 Outputs	nr	Odp
Field name	N/A		
Definition	The actual or projected output for 2019/20		
Processing Rules	<p>Input: Separate lines to be used for each output associated with each project/programme of work.</p> <p>The total of all lines for each output should equal the summary figures entered in the equivalent lines and columns on Tables 4.1 and 4.2</p>		

Column 18	2020/21 Outputs	nr	Odp
Field name	N/A		
Definition	The actual or projected output for 2020/21		
Processing Rules	<p>Input: Separate lines to be used for each output associated with each project/programme of work.</p> <p>The total of all lines for each output should equal the summary figures entered in the equivalent lines and columns on Tables 4.1 and 4.2</p>		

Column 19	2021/22 Outputs	nr	Odp
Field name	N/A		
Definition	The actual or projected output for 2021/22		
Processing Rules	<p>Input: Separate lines to be used for each output associated with each project/programme of work.</p> <p>The total of all lines for each output should equal the summary figures entered in the equivalent lines and columns on Tables 4.1 and 4.2</p>		

Column 20	2022/23 Outputs	nr	Odp
Field name	N/A		
Definition	The actual or projected output for 2022/23		
Processing Rules	<p>Input: Separate lines to be used for each output associated with each project/programme of work.</p> <p>The total of all lines for each output should equal the summary figures entered in the equivalent lines and columns on Tables 4.1 and 4.2</p>		

Column 21	2023/24 Outputs	nr	Odp
Field name	N/A		
Definition	The actual or projected output for 2023/24		
Processing Rules	<p>Input: Separate lines to be used for each output associated with each project/programme of work.</p> <p>The total of all lines for each output should equal the summary figures entered in the equivalent lines and columns on Tables 4.1 and 4.2</p>		

Column 22	2024/25 Outputs	nr	Odp
Field name	N/A		
Definition	The actual or projected output for 2024/25		
Processing Rules	<p>Input: Separate lines to be used for each output associated with each project/programme of work.</p> <p>The total of all lines for each output should equal the summary figures entered in the equivalent lines and columns on Tables 4.1 and 4.2</p>		

Column 23	2025/26 Outputs	nr	Odp
Field name	N/A		
Definition	The actual or projected output for 2025/26		
Processing Rules	<p>Input: Separate lines to be used for each output associated with each project/programme of work.</p> <p>The total of all lines for each output should equal the summary figures entered in the equivalent lines and columns on Tables 4.1 and 4.2</p>		

Column 24	2026/27 Outputs	nr	Odp
Field name	N/A		
Definition	The actual or projected output for 2026/27		
Processing Rules	<p>Input: Separate lines to be used for each output associated with each project/programme of work.</p> <p>The total of all lines for each output should equal the summary figures entered in the equivalent lines and columns on Tables 4.1 and 4.2</p>		

Column 25	2027/28 Outputs	nr	Odp
Field name	N/A		
Definition	The actual or projected output for 2027/28		
Processing Rules	<p>Input: Separate lines to be used for each output associated with each project/programme of work.</p> <p>The total of all lines for each output should equal the summary figures entered in the equivalent lines and columns on Tables 4.1 and 4.2</p>		

Column 26	2028/29 Outputs	nr	Odp
Field name	N/A		
Definition	The actual or projected output for 2028/29		
Processing Rules	<p>Input: Separate lines to be used for each output associated with each project/programme of work.</p> <p>The total of all lines for each output should equal the summary figures entered in the equivalent lines and columns on Tables 4.1 and 4.2</p>		

Column 27	2029/30 Outputs	nr	Odp
Field name	N/A		
Definition	The actual or projected output for 2029/30		
Processing Rules	<p>Input: Separate lines to be used for each output associated with each project/programme of work.</p> <p>The total of all lines for each output should equal the summary figures entered in the equivalent lines and columns on Tables 4.1 and 4.2</p>		

Column 28	2030/31 Outputs	nr	Odp
Field name	N/A		
Definition	The actual or projected output for 2030/31		
Processing Rules	<p>Input: Separate lines to be used for each output associated with each project/programme of work.</p> <p>The total of all lines for each output should equal the summary figures entered in the equivalent lines and columns on Tables 4.1 and 4.2.</p>		

Column 29	2031/32 Outputs	nr	Odp
Field name	N/A		
Definition	The actual or projected output for 2031/32		
Processing Rules	<p>Input: Separate lines to be used for each output associated with each project/programme of work.</p> <p>The total of all lines for each output should equal the summary figures entered in the equivalent lines and columns on Tables 4.1 and 4.2.</p>		

Column 30	2032/33 Outputs	nr	Odp
Field name	N/A		
Definition	The actual or projected output for 2032/33		
Processing Rules	<p>Input: Separate lines to be used for each output associated with each project/programme of work.</p> <p>The total of all lines for each output should equal the summary figures entered in the equivalent lines and columns on Tables 4.1 and 4.2.</p>		

Column 31	2033/34 Output	nr	Odp
Field name	N/A		
Definition	The actual or projected output for 2033/34		
Processing Rules	<p>Input: Separate lines to be used for each output associated with each project/programme of work.</p> <p>The total of all lines for each output should equal the summary figures entered in the equivalent lines and columns on Tables 4.1 and 4.2.</p>		

Column 32	2034/35 Output	nr	0dp
Field name	N/A		
Definition	The actual or projected output for 2034/35		
Processing Rules	<p>Input: Separate lines to be used for each output associated with each project/programme of work.</p> <p>The total of all lines for each output should equal the summary figures entered in the equivalent lines and columns on Tables 4.1 and 4.2.</p>		

Column 33	2035/36 Output	nr	0dp
Field name	N/A		
Definition	The actual or projected output for 2035/36		
Processing Rules	<p>Input: Separate lines to be used for each output associated with each project/programme of work.</p> <p>The total of all lines for each output should equal the summary figures entered in the equivalent lines and columns on Tables 4.1 and 4.2.</p>		

Column 34	LWWP Output (Y/N)	Text	Y/N
Field name	N/A		
Definition	<p>Flag to identify outputs that are associated with Living with Water Programme (LWWP). Company should enter "Y" or "N" against each output listed.</p> <p>Separate lines can be used to disaggregate outputs if the company considers that a programme of work is delivering outputs which lie both within LWWP and outside LWWP.</p>		
Processing Rules	Input		

## 4. Table 4.5 - Serviceability

**Table 4.5 - Block A - Water Infrastructure**

Line 1	Water population	000	2dp
Definition	Total resident population		
Processing Rules	Input		

Line 2	Total connected properties at year end	000	1dp
Definition	<p>The total number of properties (domestic and non-domestic) connected to the distribution system at the end of the report year. This must include properties which are connected but not billed (for example, temporarily unoccupied) but should exclude properties which have been permanently disconnected.</p> <p>A group of properties supplied by a single connection should be counted as several properties. They should only be treated as a single property if a single bill covers the whole property</p>		
Processing Rules	Input		

Line 3	Total length of mains	km	2dp
Definition	<p>Total length of mains, potable water. Company to state in the commentary box if definition of "main" is size related (give minimum size) or based on other criteria (e.g. in public road). Raw water mains to be treated as aqueducts. Report in the commentary box on partially treated or non-potable mains.</p> <p>This is the length of mains at the end of the report year.</p>		
Processing Rules	Input		

Line 4	Number of mains bursts (incl Active Leakage)	nr	0dp
Definition	<p>Mains bursts include all physical repair work to mains from which water is lost which is attributable to pipes, joints or joint material failures or movement, or caused or deemed to be caused by conditions or original pipe laying or subsequent changes in ground conditions (such as changes to a road formation, loading, etc where the costs of repair cannot be recovered from a third party). Include ferrule failures that are attributable to mains material condition or local ground movements, but not incidents of ferrule failure due to ferrule materials or poor workmanship, or associated with the communication pipe connection.</p> <p>Exclude maintenance work on valve packings, hydrant seals, air valves etc. For the avoidance of doubt, all leakage occurring at locations or through joint or material failures which would have been designed for the life of the main (irrespective of whether earlier failure occurs) should be regarded as mains bursts. Failure of consumable or maintainable items (valve packings etc) should be excluded. Exclude valve, hydrant, washout and air valve replacements.</p> <p>Include incidents of over-pressure or pressure cycling, and surge failures etc, which reflect the system operating conditions, even where these failures are accidental rather than associated with weaknesses in pipe condition.</p> <p>All third party damage should be excluded where costs are potentially (rather than actually) recovered from a third party. If these incidents are significant they should be reported in the commentary.</p>		
Processing Rules	Input		

Line 5	Mains bursts per 1000km	nr	1dp
Definition	Mains bursts per 1000km of total length of potable water main.		
Processing Rules	Calculated: Line 4 divided by (Line 3 divided by 1000)		

Line 6	Interruptions to supply greater than 3 hours resulting from equipment failure	nr	0dp
Definition	<p>The number of properties affected by interruptions to supply of more than three hours' duration which result from failure of NI Water's equipment (including burst mains and pumping stations).</p> <p>This information should be consistent with the data used to generate the information reported in Block B Section (i) of Table 2 of the annual information return.</p>		
Processing Rules	Input		

Line 7	<b>DG3 properties affected by interruptions &gt;12hrs (unplanned and unwarned)</b>	nr	0dp
Definition	The number of properties affected by interruptions to supply of more than twelve hours' duration which are unplanned, unwarned (excluding overruns of planned and warned interruptions) except for those caused directly by third parties. It includes interruptions for which customers are notified less than 48 hours in advance.		
Processing Rules	Input		

Line 8	<b>DG3 Percentage properties affected by interruptions &gt; 12hrs (unplanned &amp; unwarned)</b>	%	2dp
Definition	The percentage of properties affected by interruptions to supply of more than twelve hours' duration which are unplanned, unwarned (excluding overruns of planned and warned interruptions) except for those caused directly by third parties. It includes interruptions for which consumers are notified less than 48 hours in advance.		
Processing Rules	Calculated: [Line 7 divided by (Line 2 multiplied by 1,000)] multiplied by 100		

Line 9	<b>Number of regulatory samples taken for Iron at customer taps</b>	nr	0dp
Definition	The total number of samples taken for Iron at consumers' taps in the calendar year under the regulatory sampling programme. Exclude operational samples.  This information should be consistent with that reported on a calendar year basis to DWI.		
Processing Rules	Input		

Line 10	<b>Number of regulatory Iron samples exceeding the drinking water standard PCV</b>	nr	0dp
Definition	The number of samples taken for Iron at consumers' taps in the calendar year under the regulatory sampling programme which exceed the drinking water standard Prescribed Concentration or Value (PCV). Exclude operational samples.  This information should be consistent with that reported to DWI		
Processing Rules	Input		

Line 11	<b>Number of regulatory Iron samples exceeding 75% of the drinking water standard PCV</b>	Nr	0dp
Definition	The number of samples taken for Iron at consumers' taps in the calendar year under the regulatory sampling programme which exceed 75% of the drinking water standard Prescribed Concentration or Value (PCV). Exclude operational samples. This information should be consistent with that reported to DWI.		
Processing Rules	Input		

Line 12	<b>Percentage of regulatory Iron samples exceeding 75% of the drinking water standard PCV</b>	%	2dp
Definition	The percentage of samples taken for Iron at consumers' taps in the calendar year under the regulatory sampling programme which exceed 75% of the drinking water standard Prescribed Concentration or Value (PCV). Exclude operational samples. This information should be consistent with that reported to DWI		
Processing Rules	Calculated: (Line 11 divided by Line 9) multiplied by 100		

Line 13	<b>Customer contacts (discoloured water)</b>	nr	0dp
Definition	The number of customer contacts categorised as 'appearance-colour' during the calendar year. The company should identify the number of these that are categorised as 'brown/black/orange' and 'blue/green' separately in its commentary. This information should be consistent with data reported to DWI.		
Processing Rules	Input		

Line 14	<b>Customer contacts per 1000 population (discoloured water)</b>	nr	2dp
Definition	The number of customer contacts categorised as 'appearance-colour' per 1000 population. This information should be consistent with the customer contact data reported to DWI.		
Processing Rules	Calculated: Line 13 divided by Line 1		

Line 15	Distribution losses	MI/d	2dp
Definition	The losses on the company's potable water distribution system, i.e. excluding supply pipe leakage, which is the customer's responsibility.		
Processing Rules	Input		

Line 16	Company's overall serviceability assessment for water infrastructure	Text	N/A
Definition	Company assessment of the trend in serviceability to customers provided by water infrastructure assets, as measured by movements in service and asset performance indicators. Categorised as Improving, Stable, Marginal or Deteriorating.		
Processing Rules	Input		

**Table 4.5 - Block B - Water Non-infrastructure**

Line 17	Number of regulatory samples taken for Turbidity at operational WTWs (excluding PPP)	nr	0dp
Definition	<p>The total number of samples taken for Turbidity at operational NI Water water treatment works in the calendar year under the regulatory sampling programme. Exclude operational samples and PPP works.</p> <p>This information should be consistent with that reported on a calendar year basis to DWI.</p> <p>The company commentary should:</p> <ul style="list-style-type: none"> <li>• List any periods (by works) when individual works were out of production and the impact on the number of samples taken.</li> <li>• List any periods (by works) when 'mothballed' works were brought back into production for operational reasons. The company should identify the reasons for their reintroduction and the impact on the number of samples taken.</li> <li>• List any periods (by works) when sampling frequencies at individual works were not undertaken as planned. Providing reasons and the impact on the frequency and number of samples taken.</li> <li>• Identify annual distribution input figures for all works sampled.</li> </ul>		
Processing Rules	Input		

Line 18	<b>Number of regulatory samples taken for Turbidity at operational WTWs which exceed 1.0 NTU (excluding PPP)</b>	nr	0dp
Definition	<p>The number of samples taken for Turbidity at NI Water operational WTWs in the calendar year under the regulatory sampling programme which exceed 1.0 NTU. Exclude operational samples and PPP works.</p> <p>This information should be consistent with that reported to DWI</p>		
Processing Rules	Input		

Line 19	<b>Number of regulatory samples taken for Turbidity at operational WTWs which exceed 0.8 NTU (excluding PPP)</b>	nr	0dp
Definition	<p>The number of samples taken for Turbidity at NI Water operational WTWs in the calendar year under the regulatory sampling programme which exceed 0.8 NTU. Exclude operational samples and PPP works.</p> <p>The company commentary should:</p> <ul style="list-style-type: none"> <li>Include a list of the exceedances by works. This should be provided in the same format as the Table of 'WTW &amp; Supply Point Exceedances' provided to DWI in the 'AMD WQR' workbooks.</li> <li>Identify whether the exceedances were determined to be as a consequence of 'treatment problems', 'inadequate treatment' or 'unrepresentative samples'. NI Water should add additional categories if necessary.</li> </ul> <p>This information should be consistent with that reported to DWI</p>		
Processing Rules	Input		

Line 20	<b>Percentage of regulatory samples taken for Turbidity at operational WTWs which exceed 0.8 NTU (excluding PPP)</b>	%	2dp
Definition	<p>The percentage of samples taken for Turbidity at NI Water operational WTWs in the calendar year under the regulatory sampling programme which exceed 0.8 NTU. Exclude operational samples and PPP works.</p> <p>This information should be consistent with that reported to DWI.</p>		
Processing Rules	Calculated: (Line 19 divided by Line 17) multiplied by 100		

Line 21	Number of regulatory samples taken for THMs at customer taps	nr	0dp
Definition	<p>The total number of samples taken for THMs at consumers' taps in the calendar year under the regulatory sampling programme. Exclude operational samples.</p> <p>This information should be consistent with that reported to DWI</p>		
Processing Rules	Input		

Line 22	Number of regulatory THM samples exceeding the drinking water standard PCV	nr	0dp
Definition	<p>The number of samples taken for THMs at consumers' taps in the calendar year under the regulatory sampling programme which exceed the drinking water standard Prescribed Concentration or Value (PCV). Exclude operational samples.</p> <p>This information should be consistent with that reported to DWI</p>		
Processing Rules	Input		

Line 23	Number of regulatory THM samples exceeding 75% of the drinking water standard PCV	nr	0dp
Definition	<p>The number of samples taken for THMs at consumers' taps in the calendar year under the regulatory sampling programme which exceed 75% of the drinking water standard Prescribed Concentration or Value (PCV). Exclude operational samples.</p> <p>This information should be consistent with that reported to DWI</p>		
Processing Rules	Input		

Line 24	Percentage of regulatory THM samples exceeding 75% of the drinking water standard PCV	%	2dp
Definition	<p>The percentage of samples taken for THMs at consumers' taps in the calendar year under the regulatory sampling programme which exceed 75% of the drinking water standard Prescribed Concentration or Value (PCV). Exclude operational samples.</p> <p>This information should be consistent with that reported to DWI</p>		
Processing Rules	Calculated: (Line 23 divided by Line 21) multiplied by 100		

Line 25	<b>Events at WTW resulting from treatment difficulties or ineffective treatment categorised as 'significant' or higher</b>	nr	Odp
Definition	<p>The number of notified events which resulted from treatment difficulties or ineffective treatment at WTWs which were categorised as significant or higher by DWI.</p> <p>The company commentary should also list the events that have been notified to DWI in any category during the calendar year identifying the category that each event falls into (i.e. not significant, minor, significant, serious or major). This should follow the same format as information reported by DWI in its annual report on Drinking Water Quality (i.e. date of incident, area and estimate of properties/population potentially affected, nature and cause of incident, associated council areas).</p> <p>This information should be consistent with that reported to DWI.</p>		
Processing Rules	Input		

Line 26	<b>Number of regulatory samples taken at Service Reservoirs for coliform bacteria</b>	nr	Odp
Definition	<p>The total number of samples taken for coliform bacteria at Service Reservoirs in the calendar year under the regulatory sampling programme. Exclude operational samples.</p> <p>This information should be consistent with data reported to DWI.</p>		
Processing Rules	Input		

Line 27	<b>Number of regulatory samples taken for coliform bacteria at Service Reservoirs exceeding the drinking water standard PCV</b>	nr	0dp
Definition	<p>The number of regulatory samples taken for coliform bacteria at Service Reservoirs in the calendar year under the regulatory sampling programme which exceed the drinking water standard Prescribed Concentration or Value (PCV). Exclude operational samples.</p> <p>The company commentary should:</p> <ul style="list-style-type: none"> <li>• Include a list of the exceedances by SR. This should be provided in the same format as the Table of 'Service Reservoir Exceedances' provided to DWI in the 'AMD WQR' workbooks.</li> <li>• Identify whether the exceedances were categorised as 'inadequate disinfection', 'no cause could be determined' or 'unrepresentative samples'. NI Water should add additional categories if necessary.</li> </ul> <p>This information should be consistent with data reported to DWI.</p>		
Processing Rules	Input		

Line 28	<b>Percentage of regulatory samples taken for coliform bacteria at Service Reservoirs exceeding the drinking water standard PCV</b>	%	2dp
Definition	<p>The percentage of regulatory samples taken for coliform bacteria at Service Reservoirs in the calendar year under the regulatory sampling programme which exceed the drinking water standard Prescribed Concentration or Value (PCV). Exclude operational samples.</p> <p>This information should be consistent with data to DWI.</p>		
Processing Rules	Calculated: (Line 27 divided by Line 26) multiplied by 100		

Line 29	<b>Unplanned (reactive) maintenance - Percentage of Water Non-infra critical assets unavailable</b>	%	2dp
Definition	The percentage of Water non-infrastructure critical assets that are unavailable, as measured by the number of critical assets on the telemetry system that were recorded as being in a 'failed state' during the report year		
Processing Rules	Input		

Line 30	Company's overall serviceability assessment for water non-infrastructure	Text	N/A
Definition	Company assessment of the trend in serviceability to customers provided by water non-infrastructure assets, as measured by movements in service and asset performance indicators. Categorised as Improving, Stable, Marginal or Deteriorating.		
Processing Rules	Input		

**Table 4.5 - Sewerage Infrastructure**

Line 31	Total length of sewers	km	2dp
Definition	Total length of sewers. Include gravity sewers, rising mains.		
Processing Rules	Input		

Line 32	Total number of rising main failures	nr	0dp
Definition	Number of repairs to rising main pipe breaks. Include bursts to rising mains, even where failures are accidental rather than weakness in pipe condition. All third party damage should be excluded where costs are potentially (rather than actually) recovered from a third party. If the incidents are significant, they should be reported in the commentary.		
Processing Rules	Input		

Line 33	Total number of gravity sewer collapses	nr	0dp
Definition	Number of repairs to gravity sewer collapses. All third party damage should be excluded where costs are potentially (rather than actually) recovered from a third party. If the incidents are significant, they should be reported in the commentary.		
Processing Rules	Input		

Line 34	Total number of sewer collapses	nr	0dp
Definition	Number of sewer collapses, including bursts to rising mains.		
Processing Rules	Calculated: Sum of Line 32 and Line 33		

Line 35	Sewer collapses per 1000km	nr	1dp
Definition	Number of sewer collapses per thousand kilometres of all sewers.		
Processing Rules	Calculated: Line 34 divided by (Line 31 divided by 1000)		

Line 36	Total number of sewer blockages	nr	0dp
Definition	Number of sewer blockage events that required clearing. Exclude blockages cleared as good will on private sewers and private drains. A blockage is an obstruction in a sewer which causes a reportable problem (not caused by hydraulic overload), such as flooding or discharge to a watercourse, unusable sanitation, surcharged sewers or odour.		
Processing Rules	Input		

Line 37	Sewer blockages per 1000km	nr	1dp
Definition	Number of sewer blockage events that required clearing per thousand kilometres of all sewers		
Processing Rules	Calculated: Line 36 divided by (Line 31 divided by 1000)		

Line 38	Number of H & M pollution incidents from sewer network (CSOs, rising mains and foul sewers)	nr	0dp
Definition	The total number of high, and medium category pollution incidents arising from CSOs, foul sewers and rising mains in the calendar year. This should be consistent with information reported to/by NIEA.		
Processing Rules	Input		

Line 39	Number of H, M & L pollution incidents from sewer network (CSOs, rising mains and foul sewers)	nr	0dp
Definition	The total number of high, medium and low category pollution incidents arising from CSOs, foul sewers and rising mains in the calendar year. This should be consistent with information reported to/by NIEA.		
Processing Rules	Input		

Line 40	Properties flooded in the year (other causes)	nr	0dp
Definition	The number of properties affected by flooding incidents from equipment failures, blockages or collapses (collectively grouped as other causes). This should include properties where an uninhabited cellar is the only part affected by the flooding. A property affected by more than one incident under this definition is reported as one property in this line		
Processing Rules	Input		

Line 41	Areas flooded externally in the year (other causes)	nr	Odp
Definition	<p>The number of external areas affected by flooding incidents from equipment failures, blockages or collapses (collectively grouped as other causes).</p> <p>An area affected by more than one incident under this definition is reported as one area in this line.</p>		
Processing Rules	Input		

Line 42	Total number of equipment failures repaired	nr	Odp
Definition	<p>The total number of sewerage equipment failures. The total number of sewerage equipment failures which had, or were likely to have, a detrimental impact on service to customers or the environment.</p> <p>'Equipment' includes</p> <ul style="list-style-type: none"> <li>• Pumping stations (foul, surface water or combined)</li> <li>• Overflows (CSO and emergency)</li> <li>• Penstocks</li> <li>• Anti-flood valves</li> <li>• Vacuum sewerage systems</li> <li>• Storage tanks</li> <li>• Flow control devices (e.g. Hydrobrakes)</li> <li>• Real-time telemetry control systems</li> <li>• Oil interceptors</li> <li>• Chemical dosing.</li> </ul>		
Processing Rules	Input		

Line 43	Number of pumping station emergency overflows triggered by equipment failure	nr	Odp
Definition	The number of overflows at pumping stations (foul, surface water or combined) resulting from equipment failure.		
Processing Rules	Input		

Line 44	Number of sewer repairs	nr	Odp
Definition	<p>The number of sewer repairs undertaken in the report year.</p> <p>The company commentary should confirm whether the reported figures include repairs carried out on sewer laterals and drains identifying the numbers of each where relevant.</p>		
Processing Rules	Input		

Line 45	Company's overall serviceability assessment for sewerage infrastructure	Text	N/A
Definition	<p>Company assessment of the trend in serviceability to customers provided by sewerage infrastructure assets, as measured by movements in service and asset performance indicators.</p> <p>Categorised as Improving, Stable, Marginal or Deteriorating.</p>		
Processing Rules	Input		

**Table 4.5 - Block D - Sewerage Non-Infrastructure**

Line 46	% NI Water WwTW discharges not compliant with numeric consents	%	1dp
Definition	<p>The percentage of NI Water wastewater treatment works discharges with numeric discharge consents which were sampled on behalf of the Northern Ireland Environment Agency (NIEA) in the calendar year and found not to be compliant with the consent conditions.</p> <p>Compliance shall be assessed for all WwTW which have a numeric consent as defined by NIEA in its assessment of compliance for the calendar year.</p> <p>Compliance of each WwTW shall be assessed against all consent parameters and conditions considered by NIEA when it assesses and publishes compliance data for the calendar year.</p> <p>The denominator used to calculate percentage non-compliance shall be the total number of WwTW discharges with numeric consents as defined by NIEA in its assessment of compliance for the calendar year. The numerator shall be the number of discharges recorded as having at least one failure of the conditions.</p> <p>The % WwTW non-compliance reported should be consistent with the figure reported by NIEA for the % of WwTWs compliant with numeric consents for the calendar year</p>		
Processing Rules	Input		

Line 47	% of total p.e. served by NI Water WwTWs not compliant with numeric consents excluding upper tier failures	%	2dp
Definition	<p>Percentage of population equivalent served by NI Water wastewater treatment works with numeric consents which were sampled on behalf of the Northern Ireland Environment Agency (NIEA) in the calendar year and found not to be compliant with the consent conditions, excluding upper tier failures.</p> <p>Compliance shall be assessed for all WwTW which have a numeric consent as defined by NIEA in its assessment of compliance for the calendar year.</p> <p>Compliance for each WwTW shall be assessed against all consent parameters and conditions considered by NIEA when it assesses and publishes compliance data for the calendar year.</p> <p>The denominator used to calculate percentage compliance shall be the total population equivalent for WwTW discharges with numeric consents as defined by NIEA in its assessment of compliance for the calendar year. The numerator shall be the population equivalent of discharges which fail any of the consent conditions considered by NIEA when it assesses and publishes compliance data for the calendar year.</p> <p>The % of total p.e. served by WwTWs not compliant with numeric consents should be consistent with the figure reported by NIEA for the % p.e served by WwTWs compliant with numeric consents for the calendar year.</p>		
Processing Rules	Input		

Line 48	Number of BOD, SS and Ammonia sample results recorded for compliance reporting at NI Water WwTWs with numeric consents	nr	0dp
Definition	<p>The total number of BOD, SS and Ammonia parameter results recorded during the calendar year for the purpose of compliance reporting.</p> <p>Only include sample results for NI Water WwTWs which have a numeric consent as defined by NIEA in its assessment of compliance for the calendar year.</p> <p>This information should be consistent with that reported to NIEA.</p>		
Processing Rules	Input		

Line 49	<b>Number of BOD, SS and Ammonia compliance sample results which exceeded their numeric consent value</b>	nr	0dp
Definition	<p>The total number of BOD, SS and Ammonia parameter results recorded during the calendar year for the purpose of compliance reporting which exceeded their consent value.</p> <p>Only include sample results for NI Water WwTWs which have a numeric consent as defined by NIEA in its assessment of compliance for the calendar year.</p> <p>This information should be consistent with that reported to NIEA.</p>		
Processing Rules	Input		

Line 50	<b>Percentage of BOD, SS and Ammonia compliance sample results which exceeded their numeric consent value</b>	%	2dp
Definition	<p>The percentage of the total number of BOD, SS and Ammonia parameter results recorded during the calendar year for the purpose of compliance reporting which exceeded their consent value.</p> <p>Only include sample results for NI Water WwTWs which have a numeric consent as defined by NIEA in its assessment of compliance for the calendar year.</p> <p>This information should be consistent with that reported to NIEA.</p>		
Processing Rules	Calculated: (Line 49 divided by Line 48) multiplied by 100		

Line 51	<b>Number of NI Water WwTWs with one or more compliance sample result (BOD, SS or Ammonia) exceeding the numeric consent value</b>	nr	0dp
Definition	<p>The total number of wastewater treatment works with one or more compliance sample result for BOD, SS or Ammonia exceeding the numeric consent value during the calendar year.</p> <p>Include all NI Water WwTWs which have a numeric consent as defined by NIEA in its assessment of compliance for the calendar year.</p> <p>This information should be consistent with that reported to NIEA</p>		
Processing Rules	Input		

<b>Line 52</b>	<b>Small WwTW non-compliance (works greater than or equal to 20p.e. but less than 250p.e.)</b>	<b>%</b>	<b>2dp</b>
Definition	<p>The percentage of wastewater treatment works in the size band 20 – 249 population equivalent (pe) (inclusive) found not to be compliant with the Northern Ireland Environment Agency (NIEA) consent conditions in the calendar year.</p> <p>This measure is directly linked to delivery of small works under the Rural Wastewater Improvement Project (RWIP) as agreed with NIEA.</p>		
Processing Rules	Input		

<b>Line 53</b>	<b>Unplanned (reactive) maintenance - Percentage of Sewerage Non-infra critical assets unavailable</b>	<b>%</b>	<b>2dp</b>
Definition	<p>The percentage of Sewerage non-infrastructure critical assets that are unavailable, as measured by the number of critical assets on the telemetry system that were recorded as being in a 'failed state' during the report year.</p>		
Processing Rules	Input		

<b>Line 54</b>	<b>Company's overall serviceability assessment for sewerage non-infrastructure</b>	<b>Text</b>	<b>N/A</b>
Definition	<p>Company assessment of the trend in serviceability to customers provided by sewerage non-infrastructure assets, as measured by movements in service and asset performance indicators.</p> <p>Categorised as Improving, Stable, Marginal or Deteriorating.</p>		
Processing Rules	Input		