water industry
commission
FOR SCOTLAND

Section: A   Base Information

Table	**2**	Population, Volumes and Loads
Line	**A2.1**	Winter

Line Definition: Population supplied during the reporting year in SW's area of supply. Include population served by bulk supplies received. The population should be obtained from the most recent ONS or local authority estimates, or SW's update of these estimates.

Processing Rule: Input field

Field Type: Input

Previous References:

Ofwat 07:	-	**WICS 06:**	A1.71

000		2dp

Table	**2**	Population, Volumes and Loads
Line	**A2.2**	Summer

Line Definition: Population (winter) supplied during the reporting year in SW's area of supply plus the holiday and tourist population defined below. The holiday and tourist population can be obtained from the tourist board estimates of the number of bed spaces available for non-residents. Except where there is firm evidence to the contrary, SW should use a population based on a 2/3rds occupancy rate for the peak summer month. Note that the resultant figure will be additional to the resident population.Exclude any allowance for daily commuters.

Processing Rule: Input field

Field Type: Input

Previous References:

Ofwat 07:	-	**WICS 06:**	A1.72

000		2dp

Section: A   Base Information

Table	2	Population, Volumes and Loads
Line	A2.3	Population of unmeasured household properties

Line Definition: Population (winter) supplied during the report year occupying unmeasured household properties.

Processing Rule: Input field

Field Type: Input

Previous References: **Ofwat 07:** | T7, L31 | **WICS 06:** | A1.73 |

| 000 | | 2dp |

Table	2	Population, Volumes and Loads
Line	A2.4	Population of measured household properties

Line Definition: Population (winter) supplied during the report year occupying measured hosehold properties.

Processing Rule: Input field

Field Type: Input

Previous References: **Ofwat 07:** | T7, L32 | **WICS 06:** | A1.74 |

| 000 | | 2dp |

Table	2	Population, Volumes and Loads
Line	A2.5	Household population connected to the water service

Line Definition: Population supplied during the report year occupying household properties.

Processing Rule: sum of lines A2.3 to A2.4

Field Type: Calculated Field

Previous References: **Ofwat 07:** | - | **WICS 06:** | A1.75 |

| 000 | | 2dp |

Section: A   Base Information

Table	2	Population, Volumes and Loads
Line	A2.6	Winter

Line Definition: Population supplied during the reporting year in SW's area of supply. Include population served by bulk supplies received. The population should be obtained from the most recent ONS or local authority estimates, or SW's update of these estimates.

Processing Rule: Input field

Field Type: Input

Previous References:

Ofwat 07:	-	WICS 06:	A3.81

000	3dp

Table	2	Population, Volumes and Loads
Line	A2.7	Summer

Line Definition: Population (winter) supplied during the reporting year in SW's area of supply plus the holiday and tourist population defined below. The holiday and tourist population can be obtained from the tourist board estimates of the number of bed spaces available for non-residents. Except where there is firm evidence to the contrary, SW should use a population based on a 2/3rds occupancy rate for the peak summer month.Note that the resultant figure will be additional to the resident population. Exclude any allowance for daily commuters.

Processing Rule: Input field

Field Type: Input

Previous References:

Ofwat 07:	-	WICS 06:	A3.82

000	3dp

Section: A   Base Information

Table	2	Population, Volumes and Loads
Line	A2.8	Household population connected to the wastewater service

Line Definition: Total winter population connected to the wastewater service.

Processing Rule: Input field

Field Type: Input

Previous References: Ofwat 07: - WICS 06: A3.83

000	3dp

Table	2	Population, Volumes and Loads
Line	A2.9	Assumed percentage returned to sewer

Line Definition: Assumed percentage of delivered water that is returned to the sewerage system.

Processing Rule: Input field

Field Type: Input

Previous References: Ofwat 07: - WICS 06: A3.84

%	3dp

Table	2	Population, Volumes and Loads
Line	A2.10	Water treated at own works to own customers

Line Definition: The volume of water treated by SW at its own water treatment works for its own customers. Includes treatment of bulk supply imports, excludes treated bulk supply exports.

Processing Rule: Input field

Field Type: Input

Previous References: Ofwat 07: T10, L33 WICS 06: -

Ml/d	3dp

Section: A   Base Information

Table	2	Population, Volumes and Loads
Line	A2.11	Distribution input treated water

Line Definition: Distribution input is the average amount of potable water entering the distribution system and supplied to customers within SW's area of supply. It is expected to be equal to metered distribution input. SW should explain in the accompanying commentary the calculation used to derive this figure.

Processing Rule: Input field

Field Type: Input

Previous References:	**Ofwat 07:**	T10, L30	**WICS 06:**	A2.38

MI/d	3dp

Table	2	Population, Volumes and Loads
Line	A2.12	Unmeasured household volume of water delivered

Line Definition: Estimated average volume of potable water delivered to unmeasured household properties and charged at standard rates. This is to include supply pipe leakage. If SW's estimate of the per capita consumption of unmeasured household properties excludes supply pipe leakage, an estimate of this leakage must be made and included in this line for comparative purposes. This estimate should include supply pipe leakage from void and exempt properties. The method of estimation must be set out and supported in the commentaries. Exclude miscellaneous use, this is reported in line A2.17.

Processing Rule: Input field

Field Type: Input

Previous References:	**Ofwat 07:**	T10, L4	**WICS 06:**	A2.1

MI/d	3dp

Section: A   Base Information

Table	2	Population, Volumes and Loads
Line	A2.13	Measured household volume of water delivered

Line Definition: Average volume of potable water delivered to measured household properties. This is to include supply pipe leakage and meter under-registration. SW should clearly report any amendments to actual metered consumption records to provide the requested water delivered information. Amendments may be necessary to take account of billing periods different from the report year. Meter under-registration has also been identified as a problem which SW may need to take into account, and adjust records if necessary. If records are adjusted this should be clearly reported in the commentaries along with evidence to support the need for any changes. Where meter under-registration is a problem SW should specify the class of meters involved and the percentage error assumed. Any meter under-registration included in the total should also be reported in line A2.44. Exclude miscellaneous use, this is reported in line A2.17.

Processing Rule: Input field

Field Type: Input

Previous References:	**Ofwat 07:**	T10, L1	**WICS 06:**	A2.5

MI/d	3dp

Table	2	Population, Volumes and Loads
Line	A2.14	Unmeasured non-household volume of water delivered

Line Definition: Estimated volume of potable water delivered to unmeasured non-household properties. This is to include supply pipe leakage. If SW's estimate of the per capita consumption of unmeasured non-household properties excludes supply pipe leakage, an estimate of this leakage must be made and included in this line for comparative purposes. The method of estimation must be set out and supported in the commentaries. Exclude miscellaneous use, this is reported in line A2.17.

Processing Rule: Input field

Field Type: Input

Previous References:	**Ofwat 07:**	T10, L5	**WICS 06:**	sum(A2.22:A2.25)

MI/d	3dp

Section: A   Base Information

Table	2	Population, Volumes and Loads
Line	A2.15	Measured non-household volume of water delivered

Line Definition: Volume of potable water delivered to measured non-household properties. This is to include supply pipe leakage and meter under-registration. SW should clearly report any amendments to actual metered consumption records to provide the requested water delivered information. Amendments may be necessary to take account of billing periods different from the report year. Meter under-registration has also been identified as a problem that SW may need to take into account, and adjust records if necessary. If records are adjusted this should be clearly reported in the commentaries along with evidence to support the need for any changes. Where meter- under-registration is a problem SW should specify the class of meters involved and the percentage error assumed. Any meter under-registration included in the total should also be reported in line A2.45. Exclude miscellaneous use, this is reported in line A2.17.

Processing Rule: Input field

Field Type: Input

Previous References:	**Ofwat 07:**	T10, L2	**WICS 06:**	sum(A2.9:A2.16)

MI/d	3dp

Table	2	Population, Volumes and Loads
Line	A2.16	Total volume (potable water)

Line Definition: Total potable water delivered to all premises including supply pipe leakage and meter under-registration.

Processing Rule: the sum of lines A2.12 to A2.15

Field Type: Calculated Field

Previous References:	**Ofwat 07:**	T10, L3 + L6	**WICS 06:**	-

MI/d	3dp

Section: A   Base Information

Table	**2**	Population, Volumes and Loads
Line	**A2.17**	Water taken unbilled

Line Definition: Total water taken unbilled. Water used by SW for mains tests, flushing, washouts, running to waste, or incurred through burst mains or other leakage will be excluded. These should be reported against Distribution system operational use (A2.36) and Distribution losses (A2.18).

Processing Rule: Input field

Field Type: Input

Previous References:

Ofwat 07:	T10, L23	**WICS 06**	-

	3dp

Table	**2**	Population, Volumes and Loads
Line	**A2.18**	Leakage - Distribution losses (incl trunk mains and service reservoirs)

Line Definition: Distribution losses represent the losses on SW's potable water distribution system, i.e. excluding supply pipe leakage, which is the customer's responsibility.

Processing Rule: Input field

Field Type: Input

Previous References:

Ofwat 07:	T10 L29	**WICS 06**	A2.36

Ml/d	**3dp**

Table	**2**	Population, Volumes and Loads
Line	**A2.19**	Overall water balance (sum of line A2.16 to A2.18 = A2.11)

Line Definition: Confidence grade grading for the overall water balance.

Processing Rule: Input field

Field Type: Input

Previous References:

Ofwat 07:	T10, L34	**WICS 06**	A2.40

Section: A   Base Information

Table	2	Population, Volumes and Loads
Line	A2.20	Volume of non-potable water delivered

Line Definition: Volume of water delivered to non-household properties that is non-potable.

Processing Rule: Input field

Field Type: Input

Previous References:	**Ofwat 07:**	T10, L25	**WICS 06:**	A2.17

Ml/d	**3dp**

Table	2	Population, Volumes and Loads
Line	A2.21	Bulk supply imports

Line Definition: Volume of water imported from outside Scottish Water's service area in bulk supplies. Include treated and untreated.

Processing Rule: Input field

Field Type: Input

Previous References:	**Ofwat 07:**	T10, L32	**WICS 06:**	A2.41

Ml/d	**3dp**

Table	2	Population, Volumes and Loads
Line	A2.22	Bulk supply exports

Line Definition: Volume of water exported outside Scottish Water's service area in bulk supplies. Include treated and untreated.

Processing Rule: Input field

Field Type: Input

Previous References:	**Ofwat 07:**	T10, L33	**WICS 06:**	A2.42

Ml/d	**3dp**

Section: A   Base Information

Table	2	Population, Volumes and Loads
Line	**A2.23**	Estimated water delivered per unmeasured non-household

Line Definition: Estimated water delivered per unmeasured non-households. This figure applies to premises which are billed (A1.3) and includes supply pipe leakage.

Processing Rule: Line A2.14 divided by line A1.3 x 1,000,000

Field Type: Calculated Field

Previous References:	**Ofwat 07:**	T10, L11	**WICS 06:**	-

l/prop/d	2dp

Table	2	Population, Volumes and Loads
Line	**A2.24**	Estimated water delivered per measured non-household

Line Definition: Estimated water delivered per measured non-household. This figure applies to premises which are billed (A1.4) and includes supply pipe leakage.

Processing Rule: Line A2.15 divided by line A1.4 x 1,000,000

Field Type: Calculated Field

Previous References:	**Ofwat 07:**	-	**WICS 06:**	-

l/prop/d	2dp

Table	2	Population, Volumes and Loads
Line	**A2.25**	Per capita consumption (unmeas'd h'hold - excl s/pipe leakage)

Line Definition: Estimated per capita consumption of household properties supplied with unmeasured water.   This figure applies to billed unmeasured domestic properties and excludes underground supply pipe leakage. Underground supply pipe leakage is any loss of water from the underground supply pipe.

Processing Rule: ((A2.12x1,000,000)-(A2.32 x A1.1))/(A2.3 x 1,000)

Field Type: Calculated Field

Previous References:	**Ofwat 07:**	T10, L12	**WICS 06:**	A2.4

l/h/d	2dp

Section: A   Base Information

Table	2	Population, Volumes and Loads
Line	A2.26	Per capita consumption (meas'd h'hold - excl s/pipe leakage)

Line Definition: Estimated per capita consumption of measured household properties.   This figure applies to billed measured household properties and excludes underground supply pipe leakage.

Processing Rule: ((A2.13x1,000,000)-(A2.33xA1.2))/(A2.4x1,000)

Field Type: Calculated Field

Previous References:	**Ofwat 07:**	T10, L13	**WICS 06:**	A2.8

l/h/d	**2dp**

Table	2	Population, Volumes and Loads
Line	A2.27	Water taken unbilled - legally

Line Definition: Water taken legally unbilled; this should include all water supplied to customers for legitimate purposes which is unbilled. None of this should have been included in the breakdown of water delivered to billed customers. It can include public supplies for which no charge is made (some sewer flushing etc), uncharged church supplies, fire training and fire-fighting supplies where these are not charged irrespective of whether or not they are metered. SW should comment on any significant volumes. SW should explain in the accompanying commentary the calculation used to derive this figure.

Processing Rule: Input field

Field Type: Input

Previous References:	**Ofwat 07:**	T10, L21	**WICS 06:**	A2.34

Ml/d	**3dp**

Section: A   Base Information

Table	**2**	Population, Volumes and Loads
Line	**A2.28**	Water taken unbilled - illegally

Line Definition: Water taken illegally unbilled; illegally taken water should only be reported here and included in the water delivered total if it is based on actual occurrences using sound and auditable identification and recording procedures. These procedures must be set out in the commentaries. If it is not based on these it should be classified as distribution losses (line A1.38). SW should explain in the accompanying commentary the calculation used to derive this figure.

Processing Rule: Input field

Field Type: Input

Previous References:

Ofwat 07:	T10, L22	**WICS 06:**	A2.35

Ml/d	**3dp**

Table	**2**	Population, Volumes and Loads
Line	**A2.29**	Water taken unbilled - Distribution system operational use

Line Definition: Distribution system operational use; water knowingly used by SW to meet its statutory obligations, particularly those relating to water quality. This includes, amongst other things, service reservoir cleaning, mains flushing/air scouring, swabbing, draining networks, discharges to control pH or other chemical parameters. SW should explain in the accompanying commentary the calculation used to derive this figure.

Processing Rule: Input field

Field Type: Input

Previous References:

Ofwat 07:	T10, L20	**WICS 06:**	A2.33

Ml/d	**3dp**

Section: A   Base Information

Table	2	Population, Volumes and Loads
Line	A2.30	Top Down Total Leakage - total losses

Line Definition: SW estimate of total leakage delivered from night flow measurements and reservoir and trunk main tests after deducting allowances for plumbing losses and customer night use for the measured night flows. SW should explain in the accompanying commentary the calculation used to derive this figure.

Processing Rule: Input field

Field Type: Input

Previous References:	**Ofwat 07:**	T10, L29	**WICS 06:**	A2.37

MI/d	3dp

Table	2	Population, Volumes and Loads
Line	A2.31	Leakage - supply pipe losses

Line Definition: Scottish Water's estimate of total leakage through supply pipe. This should be consistent with the information provided in lines A2.39 to A2.43.

Processing Rule: Input field

Field Type: Input

Previous References:	**Ofwat 07:**	-	**WICS 06:**	-

MI/d	3dp

Table	2	Population, Volumes and Loads
Line	A2.32	Underground supply pipe leakage (unmeasured households, including exempt)

Line Definition: Estimated underground supply pipe leakage per unmeasured household. This estimate is made for households billed, and is included in the water delivered total (A2.12). Underground supply pipe leakage is any loss of water from the underground supply pipe.

Processing Rule: Input field

Field Type: Input

Previous References:	**Ofwat 07:**	T10, L14	**WICS 06:**	-

l/prop/d	2dp

Section: A   Base Information

Table	2	Population, Volumes and Loads
Line	A2.33	Underground supply pipe leakage (metered households)

Line Definition: Estimated supply pipe leakage from externally metered households. This estimate should reflect the reduced supply pipe leakage on externally metered properties due to the identification of such leaks from meter readings. For simplicity, ignore the effect of any initial reductions in supply pipe leakage following meter installation.

Processing Rule: Input field

Field Type: Input

Previous References:

Ofwat 07:	T10, L15 + L16	**WICS 06:**	-

l/prop/d	**2dp**

Table	2	Population, Volumes and Loads
Line	A2.34	Underground supply pipe leakage (unmeasured non-households, including exempt)

Line Definition: Estimated per capita consumption of households that are supplied with unmeasured water. This figure applies to billed unmeasured households and excludes underground supply pipe leakage. Underground supply pipe leakage is any loss of water from the underground supply pipe.

Processing Rule: Input field

Field Type: Input

Previous References:

Ofwat 07:	-	**WICS 06:**	-

l/prop/d	**2dp**

Section: A   Base Information

Table	2	Population, Volumes and Loads
Line	A2.35	Underground supply pipe leakage (metered non-households)

Line Definition: Estimated per capita consumption of measured households. This figure applies to billed measured households and excludes underground supply pipe leakage.

Processing Rule: Input field

Field Type: Input

Previous References:

Ofwat 07:	-	WICS 06:	-

l/prop/d	2dp

Table	2	Population, Volumes and Loads
Line	A2.36	Underground supply pipe leakage (void properties)

Line Definition: Estimated supply pipe leakage from void properties. This refers to properties which are connected to the distribution system but do not receive a charge as there are no occupants.

Processing Rule: Input field

Field Type: Input

Previous References:

Ofwat 07:	T10, L17	WICS 06:	-

l/prop/d	2dp

Table	2	Population, Volumes and Loads
Line	A2.37	Meter under-registration (measured households) (included in water delivered)

Line Definition: Average volume of meter under-registration included in line A2.13. Any report volume against this item should be supported by evidence in the commentaries. SW should also specify the class of meter involved and the percentage error assumed. NB: Meter under-registration is the tendency of meters to under-record flows, particularly low flows.

Processing Rule: Input field

Field Type: Input

Previous References:

Ofwat 07:	T10,L18	WICS 06:	A2.7

Ml/d	3dp

Section: A   Base Information

Table	2	Population, Volumes and Loads
Line	A2.38	Meter under-registration (measured non-households) (included in water delivered)

Line Definition: Average volume of meter under-registration included in line A2.15. Any report against this item should be supported by evidence in the commentaries. SW should also specify the class of meter involved and the percentage error assumed.

Processing Rule: Input field

Field Type: Input

Previous References:	**Ofwat 07:**	T10, L19	**WICS 06:**	A2.21

MI/d	3dp

Table	2	Population, Volumes and Loads
Line	A2.39	DMA Leakage (pre-MLE adjustment)

Line Definition: SW's estimate of leakage established from its DMA information including its estimate of underground supply pipe losses but before any MLE adjustment.

SW should explain in its accompanying commentary the outline methodology used to establish this figure including (but not limited to) its derivation of non-household and household night use, the average zone night pressure and background leakage.

Processing Rule: Input

Field Type: Input

Previous References:	**Ofwat 07:**	-	**WICS 06:**	-

MI/d	3dp

Section: A   Base Information

Table	2	Population, Volumes and Loads
Line	A2.40	Trunk Mains Leakage (pre-MLE Adjustment)

Line Definition: SW's estimate of trunk mains water losses before the MLE adjustment. SW should explain how this estimate is established, its assumptions including how it has assessed losses arising from valves and fittings.

Processing Rule: Input

Field Type: Input

Previous References:

Ofwat 07:	-	WICS 06:	-

MI/d	3dp

Table	2	Population, Volumes and Loads
Line	A2.41	Service Reservoir Leakage (pre-MLE Adjustment)

Line Definition: SW's estimate of service reservoir losses before the MLE adjustment.

SW should explain how this estimate is established, (for example use of a standing test), its assumptions including how it has assessed losses arising from structural defects (such as joints), valves and fittings.

Processing Rule: Input

Field Type: Input

Previous References:

Ofwat 07:	-	WICS 06:	-

MI/d	3dp

Table	2	Population, Volumes and Loads
Line	A2.42	Bottom-Up Total Leakage (pre-MLE Adjustment)

Line Definition: Volume of water losses before MLE reconcilation.

Processing Rule: The sum of lines A2.39 to A2.41.

Field Type: Calculated Field

Previous References:

Ofwat 07:	-	WICS 06:	-

MI/d	3dp

Section: A   Base Information

Table	2	Population, Volumes and Loads
Line	A2.43	Reconcilation Adjustment

Line Definition: The adjustment volume arising from the MLE reconciliation. SW is required to document the basis for this reconciliation as set out in the guidance.

Processing Rule: Input

Field Type: Input

Previous References:

Ofwat 07:	-	WICS 06:	-

MI/d	3dp

Table	2	Population, Volumes and Loads
Line	A2.44	Maximum Likelihood Estimation (MLE)

Line Definition: Unadjusted, bottom up volume of water losses with the MLE reconcilation applied.

Processing Rule: The addition of lines A2.42 and A2.43.

Field Type: Calculated Field

Previous References:

Ofwat 07:	-	WICS 06:	-

MI/d	3dp

Table	2	Population, Volumes and Loads
Line	A2.45	Reconcilation Error (Percentage of DI)

Line Definition: The calculated top-down, bottom up error in terms of distribution input.

Processing Rule: The difference between A2.30 and A2.42 divided by the distribution input A2.11.

Field Type: Calculated Field

Previous References:

Ofwat 07:	-	WICS 06:	-

%	1dp

Section: A   Base Information

Table	2	Population, Volumes and Loads
Line	A2.46	Unmeasured household volume (including exempt)

Line Definition: Volume of sewage discharged by unmeasured household properties.   To ensure consistency with reported volumes in England and Wales, this should be set at 95% of the volumes of water delivered.

Processing Rule: Input field

Field Type: Input

Previous References:

Ofwat 07:	T14, L1	WICS 06:	A4.1

Ml/d	2dp

Table	2	Population, Volumes and Loads
Line	A2.47	Measured household volume

Line Definition: Volume of sewage discharged by measured household properties. If this is not set to 95% of water delivered, the reasons should be explained.

Processing Rule: Input field

Field Type: Input

Previous References:

Ofwat 07:	-	WICS 06:	-

Ml/d	3dp

Table	2	Population, Volumes and Loads
Line	A2.48	Unmeasured non-household foul volume (including exempt)

Line Definition: Volume of domestic sewage discharged by unmeasured non-household properties.   To ensure consistency with reported volumes in England and Wales, this should be set at 95% of the volumes of water delivered.

Processing Rule: Input field

Field Type: Input

Previous References:

Ofwat 07:	T14, L2	WICS 06:	sum(A4.2:A4.5)

Ml/d	3dp

Section: A   Base Information

Table	2	Population, Volumes and Loads
Line	A2.49	Measured non-household foul volume

Line Definition: Volume of domestic sewage discharged by measured non-household properties. This should include the domestic allowance of any trade effluent discharges.

Processing Rule: Input field

Field Type: Input

Previous References:	**Ofwat 07:**	-	**WICS 06:**	sum(A4.8:A4.15)

MI/d	3dp

Table	2	Population, Volumes and Loads
Line	A2.50	Trade effluent volume

Line Definition: Volume of trade effluent discharged to sewerage system. Trade effluent is any discharge which is not "domestic".

Processing Rule: Input field

Field Type: Input

Previous References:	**Ofwat 07:**	T14, L5	**WICS 06:**	A4.16

MI/d	3dp

Table	2	Population, Volumes and Loads
Line	A2.51	Total volume

Line Definition: Volume of sewage (both domestic and trade effluent) discharged to sewerage system by measured and unmeasured household and non-household property.

Processing Rule: The sum of lines A2.39 to A2.43

Field Type: Calculated Field

Previous References:	**Ofwat 07:**	T14, L3 + L4	**WICS 06:**	A4.18

MI/d	3dp

Section: A   Base Information

Table	2	Population, Volumes and Loads
Line	A2.52	Volume septic tank waste

Line Definition: The total volume of private and public septic tank waste received at sewage treatment works.

Processing Rule: Input field

Field Type: Input

Previous References:

Ofwat 07:	T14, L8	WICS 06:	A4.19

MI	3dp

Table	2	Population, Volumes and Loads
Line	A2.53	Unmeasured household load (including exempt)

Line Definition: Total BOD load per year (tonnes) from unmeasured household effluent. Exclude septic tank waste. This is based on a figure of 60g/p/day BOD.

Processing Rule: Input field

Field Type: Input

Previous References:

Ofwat 07:	-	WICS 06:	-

tonnes	3dp

Table	2	Population, Volumes and Loads
Line	A2.54	Measured household load

Line Definition: Total BOD load per year (tonnes) from measured household effluent. Exclude septic tank waste. This is based on a figure of 60g/p/day BOD.

Processing Rule: Input field

Field Type: Input

Previous References:

Ofwat 07:	-	WICS 06:	-

tonnes	3dp

Section: A   Base Information

Table	2	Population, Volumes and Loads
Line	A2.55	Unmeasured non-household foul load (including exempt)

Line Definition: Total BOD load per year (tonnes) from unmeasured non-household effluent. Exclude septic tank waste. Where this differers from a figure of 60g/p/day BOD, this should be explained in the commentary.

Processing Rule: Input field

Field Type: Input

Previous References: Ofwat 07:   -   WICS 06:   -

tonnes	3dp

Table	2	Population, Volumes and Loads
Line	A2.56	Measured non-household foul load

Line Definition: Total BOD load per year (tonnes) from measured non-household effluent. This should include any domestic element of trade effluent discharges Exclude septic tank waste. Where this differers from a figure of 60g/day BOD, this should be explained in the commentary.

Processing Rule: Input field

Field Type: Input

Previous References: Ofwat 07:   -   WICS 06:   -

tonnes	3dp

Table	2	Population, Volumes and Loads
Line	A2.57	Trade effluent load

Line Definition: This is the total trade effluent BOD load in tonnes BOD/year. This must be as billed and charged.

Processing Rule: Input field

Field Type: Input

Previous References: Ofwat 07:   -   WICS 06:   -

tonnes	3dp

Section: A   Base Information

Table	2	Population, Volumes and Loads
Line	A2.58	Total load discharged from primary services

Line Definition: Total BOD load per year (tonnes) from all primary services. Excludes septic tank waste.

Processing Rule: The sum of lines A2.46 to A2.50

Field Type: Calculated Field

Previous References: **Ofwat 07:** | - | **WICS 06:** | - |

| **tonnes** | **3dp** |

Table	2	Population, Volumes and Loads
Line	A2.59	Private septic tank load

Line Definition: Private septic tank pollutant load received at sewage treatment works (tonnes BOD/year). This should be load as charged.

Processing Rule: Input field

Field Type: Input

Previous References: **Ofwat 07:** | - | **WICS 06:** | - |

| **tonnes** | **3dp** |

Table	2	Population, Volumes and Loads
Line	A2.60	Public septic tank load

Line Definition: Public septic tank pollutant load received at sewage treatment works (BOD) (tonnes/year). This should be load as charged.

Processing Rule: Input field

Field Type: Input

Previous References: **Ofwat 07:** | - | **WICS 06:** | - |

| **tonnes** | **3dp** |

Section: A   Base Information

Table	2	Population, Volumes and Loads
Line	A2.61	Other tanker load

Line Definition: Total tanker load (COD) from other sources receiving secondary treatment. This includes tankered liquid waste from industry and any other non-core activities which is treated at sewage treatment works providing secondary treatment or better. Exclude septic tank waste.

Processing Rule: Input field

Field Type: Input

Previous References:

Ofwat 07:	-	WICS 06:	-

tonnes	3dp

Table	2	Population, Volumes and Loads
Line	A2.62	Total load entering sewerage system (BOD/yr)

Line Definition: Total pollution load in tonnes BOD/year which is discharged to the sewerage system.

Processing Rule: The sum of lines A2.51 to A2.54

Field Type: Calculated Field

Previous References:

Ofwat 07:	-	WICS 06:	A4.34

tonnes	3dp

Table	2	Population, Volumes and Loads
Line	A2.63	Average COD concentration

Line Definition: Average COD concentration in sewerage area. This is used to calculate the charge for a discharge of trade effluent. This should be for the region as a whole, and not just for trade effluent.

Processing Rule: Input field

Field Type: Input

Previous References:

Ofwat 07:	T15, L22	WICS 06:	A4.35

mg/l	2dp

Section: A   Base Information

Table	2	Population, Volumes and Loads
Line	A2.64	Average suspended solids concentration

Line Definition: Average concentration of suspended solids in sewerage area. This is used to calculate the charge for a discharge of trade effluent. This should be for the region's effluent as a whole, and not just for trade effluent.

Processing Rule: Input field

Field Type: Input

Previous References:

Ofwat 07:	T15, L23	WICS 06:	A4.36

mg/l	2dp

Table	2	Population, Volumes and Loads
Line	A2.65	Equivalent population served (resident)

Line Definition: Equivalent population should be calculated on the basis of 60g BOD5 per capita per day. Imported effluents should be included in calculation. No account should be taken of holiday population.

Processing Rule: Input field

Field Type: Input

Previous References:

Ofwat 07:	-	WICS 06:	A4.37

000	3dp

Table	2	Population, Volumes and Loads
Line	A2.66	Equivalent population served (resident)(numerical consents)

Line Definition: Equivalent population should be calculated on the basis of 60g BOD5 per capita per day. Imported effluents should be included in calculation. No account should be taken of holiday population.

Processing Rule: Input field

Field Type: Input

Previous References:

Ofwat 07:	-	WICS 06:	A4.38

000	3dp

Section: A   Base Information

Table	2	Population, Volumes and Loads
Line	A2.67	Total load receiving treatment through PPP treatment works

Line Definition: The total load receiving treatment through PPP works.

Processing Rule: Input field

Field Type: Input

Previous References:

Ofwat 07:	-	WICS 06:	A4.39

tonnes	3dp

Table	2	Population, Volumes and Loads
Line	A2.68	Total sewage sludge disposal

Line Definition: Total for all sewage sludge disposal. This should include disposal to farmland, landfill, incineration, composted, land reclamation, and other.

Processing Rule: Input field

Field Type: Input

Previous References:

Ofwat 07:	T15, L47	WICS 06:	A4.52

ttds	3dp

Table	2	Population, Volumes and Loads
Line	A2.69	Percentage unsatisfactory sludge disposal

Line Definition: Percentage of total sludge disposal that is unsatisfactory. Give reasons for unsatisfactory disposal in the commentary and the percentages affected.

Processing Rule: Input field

Field Type: Input

Previous References:

Ofwat 07:	T15, L48	WICS 06:	A4.53

%	2dp