

SECTION A : BASE INFORMATION
Table A1: Connected and billed properties

Line Ref.	Description	Ofwat Reference JR 07	WICS Reference AR 06	Units	Field Type	10		20	
						Report Year 2016-17	CG	Report Year +1 Forecast 2017-18	CG
Billed Properties - Water									
A1.1	Unmeasured household billed properties - potable water (including exempt)	T7, L11	A1.1 + A1.10a	Nr	I	2441856	A2	2457191	A3
A1.2	Measured household billed properties - potable water	T7, L12 + L13	A1.12	Nr	I	447	A2	441	A3
A1.3	Unmeasured non-household billed properties - potable water (including exempt)	T7, L16	A1.66	Nr	I	21036	B4	21407	B4
A1.4	Measured non-household billed properties - potable water	T7, L17	A1.22	Nr	I	117224	B4	118388	B4
A1.5	Total number of billed properties - potable water	T7, L14 + L18	-	Nr	C	2580563	B4	2597427	B4
Connected Properties - Water									
A1.6	Unmeasured household connected properties	-	A1.1 + A1.10a + A1.11	Nr	I	2495789	A2	2511124	A3
A1.7	Measured household connected properties	-	A1.12 + A1.13	Nr	I	447	A2	441	A3
A1.8	Unmeasured non-household connected properties	-	A1.66 + A1.67	Nr	I	27754	B4	28214	B4
A1.9	Measured non-household connected properties	-	A1.22	Nr	I	127926	B4	129174	B4
A1.10	Total number of connected properties	-	A1.69	Nr	C	2651916	B4	2668953	B4
Billed Properties - Foul Sewerage									
A1.11	Unmeasured household billed properties (including exempt)	T13, L1	A3.1 + A3.12b	Nr	I	2343128	A2	2357827	A3
A1.12	Measured household billed properties	T13, L2	A3.14	Nr	I	115	A2	114	A3
A1.13	Unmeasured non-household billed properties (including exempt)	T13, L4	A3.73	Nr	I	18453	B4	18769	B4
A1.14	Measured non-household billed properties	T13, L5	A3.26	Nr	I	94122	B4	95048	B4
A1.15	Total number of billed properties	T13, L3 + L7	-	Nr	C	2455818	B4	2471758	B4
Connected Properties - Foul Sewerage									
A1.16	Unmeasured household connected properties	-	A3.1 + A3.12b + A3.13	Nr	I	2394990	A2	2409689	A3
A1.17	Measured household connected properties	-	A3.26 + A3.30	Nr	I	115	A2	114	A3
A1.18	Unmeasured non-household connected properties	-	A3.73 + A3.76	Nr	I	24537	B4	24934	B4
A1.19	Measured non-household connected properties	-	A3.14 + A3.17	Nr	I	103417	B4	104416	B4
A1.20	Total number of connected properties	-	-	Nr	C	2523059	B4	2539153	B4
Billed Properties - Surface Drainage									
A1.21	Unmeasured household billed properties (including exempt) not billed for property drainage	-	A3.12a	Nr	I	0	A2	0	A3
A1.22	Measured household billed properties not billed for property drainage	-	A3.16	Nr	I	19	A2	18	A3
A1.23	Unmeasured non-household billed properties not billed for property drainage	-	A3.75a	Nr	I	1974	B4	1974	B4
A1.24	Measured non-household billed properties not billed for property drainage	-	A3.29a	Nr	I	2074	B4	2074	B4
A1.25	Household properties billed for surface drainage only	-	A3.11 + A3.15	Nr	I	0	A2	0	A3
A1.26	Non-household properties billed for surface drainage only	-	A3.28 + A3.74	Nr	I	24427	B4	28474	B4
A1.27	Total number of billed properties	-	-	Nr	C	2543419	B4	2563561	B4
Connected Properties - Surface Drainage									
A1.28	Unmeasured household connected properties	-	-	Nr	I	2394990	A2	2409689	A2
A1.29	Measured household connected properties	-	-	Nr	I	425	A2	405	A2
A1.30	Unmeasured non-household connected properties	-	-	Nr	I	57818	B4	58215	B4
A1.31	Measured non-household connected properties	-	-	Nr	I	98639	B4	99638	B4
A1.32	Total number of connected properties	-	-	Nr	C	2551872	B4	2567947	B4
Trade Effluent									
A1.33	Billed Properties	-	-	Nr	I	1324	A2	1317	A3
A1.34	Connected Properties	-	-	Nr	I	3203	A2	3211	A3
A1.35	Trade effluent load receiving secondary treatment (BOD/yr)	-	-	tonnes	I	16338	B2	16339	B4
A1.36	Trade effluent load receiving secondary treatment (COD/yr)	-	-	tonnes	I	32826	B2	32830	B4

Prepared by: Date:
Checked by: Date:
Authorised by: Alan P. Scott Date: 9th June 2017

SECTION A : BASE INFORMATION
Table A2: Population, volumes and loads (Water)

Line Ref.	Description	Ofwat Reference JR 08	WICS Reference AR 07	Units	Field Type	10		20	
						Report Year 2016-17	CG	Report Year +1 2017-18	CG
Summary - Population - Water									
A2.1	Winter	-	A1.71	000	I	5224.767	A2	5239.678	A3
A2.2	Summer	-	A1.72	000	I	5410.17	B2	5395.379	B3
Household - Population - Water									
A2.3	Population of unmeasured household properties	T7, L31	A1.73	000	I	5121.199	A2	5135.989	A3
A2.4	Population of measured household properties	T7, L32	A1.74	000	I	0.962	A2	0.945	A3
A2.5	Household population connected to the water service	-	A1.75	000	C	5122.16	A2	5136.93	A3
Water Balance									
A2.6	Net Distribution input treated water (water put into supply)	T10, L30	-	MI/d	I	1784.83	B3	1779.83	B3
A2.7	Unmeasured household volume of water delivered (including losses)	T10, L4	A2.1	MI/d	I	891.14	B2	891.14	B3
A2.8	Measured household volume of water delivered (including losses)	T10, L1	A2.5	MI/d	I	0.25	B2	0.25	B3
A2.9	Unmeasured non-household volume of water delivered (including losses)	T10, L5	sum(A2.22:A2.25)	MI/d	I	16.98	C5	16.98	C5
A2.10	Measured non-household volume of water delivered (including losses)	T10, L2	sum(A2.9:A2.16)	MI/d	I	377.51	B3	377.51	B3
A2.11	Water taken unbilled - legally	T10, L21	A2.34	MI/d	I	59.13	C4	59.13	C4
A2.12	Water taken unbilled - illegally	T10, L22	A2.35	MI/d	I	1.81	C4	1.81	C4
A2.13	Water taken unbilled - Distribution System Operational Use (DSOU)	T10, L20	A2.33	MI/d	I	3.27	C3	3.27	C4
A2.14	Net Consumption (including supply pipe losses)	-	-	MI/d	C	1350.10	B3	1350.10	B3
A2.15	Distribution losses (including trunk mains and reservoirs)	-	-	MI/d	C	434.73	B3	429.73	B3
A2.16	Customer supply pipe losses	-	-	MI/d	I	124.55	C3	124.55	C4
A2.17	Overall water balance	T10, L34	-	-	I		B3		B3
Leakage									
A2.18	Total Leakage (pre-MLE Adjustment)	-	-	MI/d	I	479.86	B3	474.86	B3
A2.19	Water Balance Closing Error	-	-	%	C	4.45	B3	4.46	B3
A2.20	MLE Adjustment	-	-	MI/d	I	14.89	B3	14.89	B3
A2.21	Total Leakage (post-MLE Adjustment)	-	-	MI/d	C	494.76	B3	489.76	B3
Water delivered - non-potable									
A2.22	Volume of non-potable water delivered	T10, L25	A2.17	MI/d	I	19.837	C4	19.837	C4
Water delivered - components									
A2.23	Per Household consumption (unmeas'd h'hold - excl s/pipe leakage) PHC	T10, L12	A2.4	l/household/day	I	315.786	B2	315.786	B3
A2.24	Per Household consumption (meas'd h'hold - excl s/pipe leakage) PHC	T10, L13	A2.8	l/household/day	I	545.901	B3	545.901	B3
A2.25	Meter under-registration (measured households) (included in water delivered)	T10, L18	A2.7	MI/d	I	0.010	C3	0.010	C4
A2.26	Meter under-registration (measured non-households) (included in water delivered)	T10, L19	A2.21	MI/d	I	16.815	C3	16.815	C4

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SECTION A : BASE INFORMATION
Table A3: Population, volumes and loads (Waste water)

Line Ref.	Description	Ofwat Reference JR 08	WICS Reference AR 07	Units	Field Type	10		20	
						Report Year 2016-17	CG	Report Year +1 2017-18	CG
Summary - Population - Waste water									
A3.1	Winter	-	A3.81	000	I	5017.709	A2	5032.249	A3
A3.2	Summer	-	A3.82	000	I	5138.663	B2	5136.585	B3
A3.3	Household Population connected to the wastewater service	-	A3.83	000	I	4918.670	A2	4933.105	A3
Sewage - Volumes									
A3.4	Unmeasured household volume (including exempt)	T14, L1	A4.1	MI/d	I	719.85	B3	732.03	B3
A3.5	Measured household volume	-	-	MI/d	I	0.063	A2	0.050	B3
A3.6	Unmeasured non-household foul volume (including exempt)	L14, L2	sum(A4.2:A4.5)	MI/d	I	14.355	B3	14.800	B3
A3.7	Measured non-household foul volume	-	sum(A4.8:A4.15)	MI/d	I	144.653	B3	141.802	B3
A3.8	Trade effluent volume	L14, L5	A4.16	MI/d	I	66.158	B2	66.159	B4
A3.9	Total volume	L14, L3 + L4	A4.18	MI/d	C	945.074	B3	954.841	B3
A3.10	Volume septic tank waste	T14, L8	A4.19	MI	I	38.740	A3	37.837	B3
Sewage - Load (BOD/yr)									
A3.11	Unmeasured household load (including exempt)	-	-	tonnes	I	107705.539	B3	108949.517	B4
A3.12	Measured household load	-	-	tonnes	I	8.852	B4	10.336	B4
A3.13	Unmeasured non-household foul load (including exempt)	-	-	tonnes	I	1571.857	B4	1190.000	B4
A3.14	Measured non-household foul load	-	-	tonnes	I	15839.484	B3	15200.000	B4
A3.15	Trade effluent load	-	-	tonnes	I	17367.178	B2	17369.000	B4
A3.16	Total load discharged from primary services	-	-	tonnes	C	142492.910	B3	142718.852	B3
A3.17	Private septic tank load	-	-	tonnes	I	124.584	B3	132.761	B4
A3.18	Public septic tank load	-	-	tonnes	I	128.890	B3	145.726	B4
A3.19	Other tanker load	-	-	tonnes	I	1172.628	B3	1431.635	B4
A3.20	Total load entering sewerage system (BOD/yr)	-	A4.34	tonnes	C	143919.012	B3	144428.974	B3
A3.21	Average COD concentration	T15, L22	A4.35	mg/l	I	350.00	B2	350.00	B2
A3.22	Average suspended solids concentration	T15, L23	A4.36	mg/l	I	250.00	B2	250.00	B2
A3.23	Equivalent population served (resident)	-	A4.37	000	I	6669.924	B3	6674.944	B4
A3.24	Equivalent population served (resident)(numerical consents)	-	A4.38	000	I	6613.577	B3	6615.298	B4
A3.25	Total load receiving treatment through PPP treatment works	-	A4.39	tonnes	I	65551.530	B3	65206.629	B4
Sewage Sludge Treatment and Disposal									
A3.26	Total sewage sludge disposal	T15, L47	A4.52	ttds	I	123.476	B4	122.750	B4
A3.27	Total sewage sludge disposal by PPP treatment works	-	-	ttds	I	109.906	B4	109.000	B4
A3.28	Percentage unsatisfactory sludge disposal	T15, L48	A4.53	%	I	0.00	A1	0.00	A1

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