

ANNUAL RETURN INFORMATION REQUIREMENTS

**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 2015-16	CG	Report Year + 1 Forecast	CG
<b>Billed Properties - Water</b>									
A1.1	Unmeasured household billed properties - potable water (including exempt)	T7, L11	A1.1 + A1.10a	Nr	I	2423640	A2	2438903	A3
A1.2	Measured household billed properties - potable water	T7, L12 + L13	A1.12	Nr	I	452	A2	440	A3
A1.3	Unmeasured non-household billed properties - potable water (including exempt)	T7, L16	A1.66	Nr	I	20963	B4	21403	B4
A1.4	Measured non-household billed properties - potable water	T7, L17	A1.22	Nr	I	112166	B4	113421	B4
A1.5	Total number of billed properties - potable water	T7, L14 + L18	-	Nr	C	2557221	B4	2574167	B4
<b>Connected Properties - Water</b>									
A1.6	Unmeasured household connected properties	-	A1.1 + A1.10a + A1.11	Nr	I	2480083	A2	2495346	A3
A1.7	Measured household connected properties	-	A1.12 + A1.13	Nr	I	452	A2	440	A3
A1.8	Unmeasured non-household connected properties	-	A1.66 + A1.67	Nr	I	28132	B4	28696	B4
A1.9	Measured non-household connected properties	-	A1.22	Nr	I	123937	B4	125309	B4
A1.10	Total number of connected properties	-	A1.69	Nr	C	2632604	B4	2649791	B4
A1.11	Number of properties connected during the report year	T7, L1	A1.70	Nr	I	19803	A2	16600	B2
<b>Billed Properties - Foul Sewerage</b>									
A1.12	Unmeasured household billed properties (including exempt)	T13, L1	A3.1 + A3.12b	Nr	I	2326438	A2	2341073	A3
A1.13	Measured household billed properties	T13, L2	A3.14	Nr	I	115	A2	111	A3
A1.14	Unmeasured non-household billed properties (including exempt)	T13, L4	A3.73	Nr	I	18432	B4	18846	B4
A1.15	Measured non-household billed properties	T13, L5	A3.26	Nr	I	89559	B4	90609	B4
A1.16	Total number of billed properties	T13, L3 + L7	-	Nr	C	2434544	B4	2450639	B4
<b>Connected Properties - Foul Sewerage</b>									
A1.17	Unmeasured household connected properties	-	A3.1 + A3.12b + A3.13	Nr	I	2380750	A2	2395386	A3
A1.18	Measured household connected properties	-	A3.26 + A3.30	Nr	I	115	A2	111	A3
A1.19	Unmeasured non-household connected properties	-	A3.73 + A3.76	Nr	I	24958	B4	25482	B4
A1.20	Measured non-household connected properties	-	A3.14 + A3.17	Nr	I	99889	B4	101037	B4
A1.21	Total number of connected properties	-	-	Nr	C	2505712	B3	2522016	B3
A1.22	Number of properties connected during the report year	-	-	Nr	I	15290	A2	12817	B2
<b>Billed Properties - Surface Drainage</b>									
A1.23	Unmeasured household billed properties (including exempt) not billed for property drainage	-	A3.12a	Nr	I	0	A2	0	A3
A1.24	Measured household billed properties not billed for property drainage	-	A3.16	Nr	I	20	A2	21	A3
A1.25	Unmeasured non-household billed properties not billed for property drainage	-	A3.75a	Nr	I	1306	B4	1306	B4
A1.26	Measured non-household billed properties not billed for property drainage	-	A3.29a	Nr	I	1892	B4	1892	B4
A1.27	Household properties billed for surface drainage only	-	A3.11 + A3.15	Nr	I	0	A2	0	A3
A1.28	Non-household properties billed for surface drainage only	-	A3.28 + A3.74	Nr	I	17693	B4	21707	B4
A1.29	Total number of billed properties	-	-	Nr	C	2520187	B4	2540504	B4
<b>Connected Properties - Surface Drainage</b>									
A1.30	Unmeasured household connected properties	-	-	Nr	I	2380750	A2	2395386	A3
A1.31	Measured household connected properties	-	-	Nr	I	446	A2	460	A3
A1.32	Unmeasured non-household connected properties	-	-	Nr	I	51629	B4	52193	B4
A1.33	Measured non-household connected properties	-	-	Nr	I	95834	B4	97206	B4
A1.34	Total number of connected properties	-	-	Nr	C	2528659	B4	2545245	B4
A1.35	Number of properties connected during the report year	-	-	Nr	I	15290	A2	12817	B2
<b>Trade Effluent</b>									
A1.36	Billed Properties	-	-	Nr	I	1338	A2	1309	A3
A1.37	Connected Properties	-	-	Nr	I	3103	A2	3130	A3
A1.38	Trade effluent load receiving secondary treatment (BOD/yr)	-	-	tonnes	I	16192	B2	16144	B4
A1.39	Trade effluent load receiving secondary treatment (COD/yr)	-	-	tonnes	I	35515	B2	34138	B4

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Authorised by: Alan P. Scott Date: 10th June 2016

ANNUAL RETURN INFORMATION REQUIREMENTS

**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 2015-16	CG	Report Year +1 2016-17	CG
<b>Summary - Population - Water</b>									
A2.1	Winter	-	A1.71	000	I	5210.614	A2	5230.390	A3
A2.2	Summer	-	A1.72	000	I	5349.02	B2	5367.749	B3
<b>Household - Population - Water</b>									
A2.3	Population of unmeasured household properties	T7, L31	A1.73	000	I	5105.929	A2	5125.271	A3
A2.4	Population of measured household properties	T7, L32	A1.74	000	I	0.975	A2	0.945	A3
A2.5	Household population connected to the water service	-	A1.75	000	C	5106.90	A2	5126.22	A3
<b>Water Balance</b>									
A2.6	Water treated at own works to own customers	T10, L33	-	MI/d	I	1779.79	B2	1774.79	B3
A2.7	Distribution input treated water	T10, L30	-	MI/d	I	1779.79	B2	1774.79	B3
A2.8	Bulk supply imports	T10, L32	A2.41	MI/d	I	0.00	N	0.00	N
A2.9	Bulk supply exports	T10, L33	A2.42	MI/d	I	0.00	N	0.00	N
A2.10	Net Distribution input treated water (water put into supply)	-	-	MI/d	C	1779.79	B2	1774.79	B3
A2.11	Unmeasured household volume of water delivered (including losses)	T10, L4	A2.1	MI/d	I	905.19	B2	905.19	B3
A2.12	Measured household volume of water delivered (including losses)	T10, L1	A2.5	MI/d	I	0.25	B2	0.25	B3
A2.13	Unmeasured non-household volume of water delivered (including losses)	T10, L5	sum(A2.22:A2.25)	MI/d	I	16.87	C5	16.87	C5
A2.14	Measured non-household volume of water delivered (including losses)	T10, L2	sum(A2.9:A2.16)	MI/d	I	381.81	B3	381.81	B3
A2.15	Water taken unbilled - legally	T10, L21	A2.34	MI/d	I	62.85	C4	62.85	C4
A2.16	Water taken unbilled - illegally	T10, L22	A2.35	MI/d	I	1.67	C4	1.67	C4
A2.17	Water taken unbilled - Distribution System Operational Use (DSOU)	T10, L20	A2.33	MI/d	I	3.15	C3	3.15	C4
A2.18	Net Consumption (including supply pipe losses)	-	-	MI/d	C	1371.79	B3	1371.79	B3
A2.19	Distribution losses (including trunk mains and reservoirs)	-	-	MI/d	C	408.00	B3	403.00	B3
A2.20	Customer supply pipe losses	-	-	MI/d	I	122.96	C3	122.96	C4
A2.21	Overall water balance	T10, L34	-	-	I		B3		B3
<b>Leakage</b>									
A2.22	Total Leakage (pre-MLE Adjustment)	-	-	MI/d	I	491.96	B3	486.96	B3
A2.23	Water Balance Closing Error	-	-	%	C	2.19	B3	2.20	B3
A2.24	MLE Adjustment	-	-	MI/d	I	7.66	B3	7.66	B3
A2.25	Total Leakage (post-MLE Adjustment)	-	-	MI/d	C	499.63	B3	494.62	B3
<b>Water delivered - non-potable</b>									
A2.26	Volume of non-potable water delivered	T10, L25	A2.17	MI/d	I	19.942	C5	19.942	C5
<b>Water delivered - components</b>									
A2.27	Per Household consumption (unmeas'd h'hold - excl s/pipe leakage) PHC	T10, L12	A2.4	l/household/day	I	324.56	B2	324.562	B3
A2.28	Per Household consumption (meas'd h'hold - excl s/pipe leakage) PHC	T10, L13	A2.8	l/household/day	I	566.36	B3	566.364	B3
A2.29	Meter under-registration (measured households) (included in water delivered)	T10, L18	A2.7	MI/d	I	0.010	C3	0.010	C4
A2.30	Meter under-registration (measured non-households) (included in water delivered)	T10, L19	A2.21	MI/d	I	17.005	C3	17.005	C4

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ANNUAL RETURN INFORMATION REQUIREMENTS

**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 2015-16	CG	Report Year +1 2016-17	CG
<b>Summary - Population - Waste water</b>									
A3.1	Winter	-	A3.81	000	I	5004.045	A2	5023.348	A3
A3.2	Summer	-	A3.82	000	I	5101.553	B2	5116.307	B3
A3.3	Household Population connected to the wastewater service	-	A3.83	000	I	4903.841	A2	4922.727	A3
A3.4	Assumed percentage returned to sewer	-	A3.84	%	I	0.950	A2	0.950	A3
<b>Sewage - Volumes</b>									
A3.5	Unmeasured household volume (including exempt)	T14, L1	A4.1	MI/d	I	717.67	B3	732.03	B3
A3.6	Measured household volume	-	-	MI/d	I	0.054	A2	0.050	B3
A3.7	Unmeasured non-household foul volume (including exempt)	L14, L2	sum(A4.2:A4.5)	MI/d	I	14.426	B3	11.500	B3
A3.8	Measured non-household foul volume	-	sum(A4.8:A4.15)	MI/d	I	138.510	B3	138.384	B3
A3.9	Trade effluent volume	L14, L5	A4.16	MI/d	I	74.569	B2	69.161	B4
A3.10	Total volume	L14, L3 + L4	A4.18	MI/d	C	945.229	B3	951.125	B3
A3.11	Volume septic tank waste	T14, L8	A4.19	MI	I	34.148	A3	31.724	B3
<b>Sewage - Load (BOD/yr)</b>									
A3.12	Unmeasured household load (including exempt)	-	-	tonnes	I	107388.676	B3	108474.226	B4
A3.13	Measured household load	-	-	tonnes	I	11.442	B4	14.221	B4
A3.14	Unmeasured non-household foul load (including exempt)	-	-	tonnes	I	1579.611	B4	1190.000	B4
A3.15	Measured non-household foul load	-	-	tonnes	I	15166.888	B3	15200.000	B4
A3.16	Trade effluent load	-	-	tonnes	I	17018.357	B2	16970.249	B4
A3.17	Total load discharged from primary services	-	-	tonnes	C	141164.974	B3	141848.696	B3
A3.18	Private septic tank load	-	-	tonnes	I	100.415	B3	96.509	B4
A3.19	Public septic tank load	-	-	tonnes	I	123.015	B3	136.914	B4
A3.20	Other tanker load	-	-	tonnes	I	929.181	B3	1066.465	B4
A3.21	Total load entering sewerage system (BOD/yr)	-	A4.34	tonnes	C	142317.586	B3	143148.584	B3
A3.22	Average COD concentration	T15, L22	A4.35	mg/l	I	350.00	B2	350.00	B2
A3.23	Average suspended solids concentration	T15, L23	A4.36	mg/l	I	250.00	B2	250.00	B2
A3.24	Equivalent population served (resident)	-	A4.37	000	I	6568.503	B3	6522.814	B4
A3.25	Equivalent population served (resident)(numerical consents)	-	A4.38	000	I	6360.618	B3	6235.476	B4
A3.26	Total load receiving treatment through PPP treatment works	-	A4.39	tonnes	I	64465.208	B3	63577.147	B4
<b>Sewage Sludge Treatment and Disposal</b>									
A3.27	Total sewage sludge disposal	T15, L47	A4.52	ttds	I	119.403	B4	120.800	B4
A3.28	Total sewage sludge disposal by PPP treatment works	-	-	ttds	I	99.280	B4	101.500	B4
A3.29	Percentage unsatisfactory sludge disposal	T15, L48	A4.53	%	I	0.00	A1	0.00	A1

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