

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 2007-08	CG	Report Year +1 Forecast	CG
Billed Properties - Water									
A1.1	Unmeasured household billed properties - potable water (including exempt)	T7, L11	A1.1 + A1.10a	Nr	I	2317718	A2	2341128	A3
A1.2	Measured household billed properties - potable water	T7, L12 + L13	A1.12	Nr	I	530	A2	530	A2
A1.3	Unmeasured non-household billed properties - potable water (including exempt)	T7, L16	A1.66	Nr	I	48759	A2	0	N
A1.4	Measured non-household billed properties - potable water	T7, L17	A1.22	Nr	I	76513	A2	0	N
A1.5	Total number of billed properties - potable water	T7, L14 + L18	-	Nr	C	2443520	A2	2341658	A3
Connected Properties - Water									
A1.6	Unmeasured household connected properties	-	A1.1 + A1.10a + A1.11	Nr	I	2368648	A2	2392058	A3
A1.7	Measured household connected properties	-	A1.12 + A1.13	Nr	I	530	A2	530	A2
A1.8	Unmeasured non-household connected properties	-	A1.66 + A1.67	Nr	I	55156	A2	0	N
A1.9	Measured non-household connected properties	-	A1.22	Nr	I	79657	A2	0	N
A1.10	Total number of connected properties	-	A1.69	Nr	C	2503991	A2	2392588	A3
A1.11	Number of properties connected during the report year	T7, L1	A1.70	Nr	I	22702	A2	22874	A3
Billed Properties - Foul Sewerage									
A1.12	Unmeasured household billed properties (including exempt)	T13, L1	A3.1 + A3.12b	Nr	I	2231832	A2	2254314	A3
A1.13	Measured household billed properties	T13, L2	A3.14	Nr	I	180	A2	180	A2
A1.14	Unmeasured non-household billed properties (including exempt)	T13, L4	A3.73	Nr	I	45197	A2	0	N
A1.15	Measured non-household billed properties	T13, L5	A3.26	Nr	I	57609	A2	0	N
A1.16	Total number of billed properties	T13, L3 + L7	-	Nr	C	2334818	A2	2254494	A3
Connected Properties - Foul Sewerage									
A1.17	Unmeasured household connected properties	-	A3.1 + A3.12b + A3.13	Nr	I	2280706	A2	2303189	A3
A1.18	Measured household connected properties	-	A3.26 + A3.30	Nr	I	180	A2	180	A2
A1.19	Unmeasured non-household connected properties	-	A3.73 + A3.76	Nr	I	53051	A2	0	N
A1.20	Measured non-household connected properties	-	A3.14 + A3.17	Nr	I	59603	A2	0	N
A1.21	Total number of connected properties	-	-	Nr	C	2393540	A2	2303369	A3
A1.22	Number of properties connected during the report year	-	-	Nr	I	21583	A2	21882	A3
Billed Properties - Surface Drainage									
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	9	A2	9	A2
A1.25	Unmeasured non-household billed properties not billed for property drainage	-	A3.75a	Nr	I	27	A2	0	N
A1.26	Measured non-household billed properties not billed for property drainage	-	A3.29a	Nr	I	405	A2	0	N
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	11190	A2	0	N
A1.29	Total number of billed properties	-	-	Nr	C	2404289	A2	2303360	A3
Connected Properties - Surface Drainage									
A1.30	Unmeasured household connected properties	-	-	Nr	I	2280706	A2	2303189	A3
A1.31	Measured household connected properties	-	-	Nr	I	163	A2	163	A2
A1.32	Unmeasured non-household connected properties	-	-	Nr	I	63566	A2	0	N
A1.33	Measured household connected properties	-	-	Nr	I	57304	A2	0	N
A1.34	Total number of connected properties	-	-	Nr	C	2401739	A2	2303352	A3
A1.35	Number of properties connected during the report year	-	-	Nr	I	21583	A2	21882	A3
Trade Effluent									
A1.36	Billed Properties	-	-	Nr	I	1631	A3	1631	A3
A1.37	Connected Properties	-	-	Nr	I	3553	A3	3553	A3
A1.38	Trade effluent load receiving secondary treatment (BOD/yr)	-	-	tonnes	I	30306	A2	30306	A2
A1.39	Trade effluent load receiving secondary treatment (COD/yr)	-	-	tonnes	I	58217	A2	58217	A2

Prepared by: Date: 11/09/2008
 Checked by: Date: 11/09/2008
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Table A1: Connected and billed properties

Line Ref.	Description	Ofwat Reference JR 07	WICS Reference AR 06	Units	Field Type
Billed Properties - Water					
A1.1	Unmeasured household billed properties - potable water (including exempt)	T7, L11	A1.1 + A1.10a	Nr	I
A1.2	Measured household billed properties - potable water	T7, L12 + L13	A1.12	Nr	I
A1.3	Unmeasured non-household billed properties - potable water (including exempt)	T7, L16	A1.66	Nr	I
A1.4	Measured non-household billed properties - potable water	T7, L17	A1.22	Nr	I
A1.5	Total number of billed properties - potable water	T7, L14 + L18	-	Nr	C
Connected Properties - Water					
A1.6	Unmeasured household connected properties	-	A1.1 + A1.10a + A1.11	Nr	I
A1.7	Measured household connected properties	-	A1.12 + A1.13	Nr	I
A1.8	Unmeasured non-household connected properties	-	A1.66 + A1.67	Nr	I
A1.9	Measured non-household connected properties	-	A1.22	Nr	I
A1.10	Total number of connected properties	-	A1.69	Nr	C
A1.11	Number of properties connected during the report year	T7, L1	A1.70	Nr	I
Billed Properties - Foul Sewerage					
A1.12	Unmeasured household billed properties (including exempt)	T13, L1	A3.1 + A3.12b	Nr	I
A1.13	Measured household billed properties	T13, L2	A3.14	Nr	I
A1.14	Unmeasured non-household billed properties (including exempt)	T13, L4	A3.73	Nr	I
A1.15	Measured non-household billed properties	T13, L5	A3.26	Nr	I
A1.16	Total number of billed properties	T13, L3 + L7	-	Nr	C
Connected Properties - Foul Sewerage					
A1.17	Unmeasured household connected properties	-	A3.1 + A3.12b + A3.13	Nr	I
A1.18	Measured household connected properties	-	A3.26 + A3.30	Nr	I
A1.19	Unmeasured non-household connected properties	-	A3.73 + A3.76	Nr	I
A1.20	Measured non-household connected properties	-	A3.14 + A3.17	Nr	I
A1.21	Total number of connected properties	-	-	Nr	C
A1.22	Number of properties connected during the report year	-	-	Nr	I
Billed Properties - Surface Drainage					
A1.23	Unmeasured household billed properties (including exempt) not billed for property drainage	-	A3.12a	Nr	I
A1.24	Measured household billed properties not billed for property drainage	-	A3.16	Nr	I
A1.25	Unmeasured non-household billed properties not billed for property drainage	-	A3.75a	Nr	I
A1.26	Measured non-household billed properties not billed for property drainage	-	A3.29a	Nr	I
A1.27	Household properties billed for surface drainage only	-	A3.11 + A3.15	Nr	I
A1.28	Non-household properties billed for surface drainage only	-	A3.28 + A3.74	Nr	I
A1.29	Total number of billed properties	-	-	Nr	C
Connected Properties - Surface Drainage					
A1.30	Unmeasured household connected properties	-	-	Nr	I
A1.31	Measured household connected properties	-	-	Nr	I
A1.32	Unmeasured non-household connected properties	-	-	Nr	I
A1.33	Measured non-household connected properties	-	-	Nr	I
A1.34	Total number of connected properties	-	-	Nr	C
A1.35	Number of properties connected during the report year	-	-	Nr	I
Trade Effluent					
A1.36	Billed Properties	-	-	Nr	I
A1.37	Connected Properties	-	-	Nr	I
A1.38	Trade effluent load receiving secondary treatment (BOD/yr)	-	-	tonnes	I
A1.39	Trade effluent load receiving secondary treatment (COD/yr)	-	-	tonnes	I

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Report Year 2007-08

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Report Year +1 Budget 2008-09

Comment Necessary?

Comment Necessary?

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Prepared by: Date: 11/09/2008
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ANNUAL RETURN INFORMATION REQUIREMENTS

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

Line Ref.	Description	Ofwat Reference JR 07	WICS Reference AR 06	Units	Field Type	10		20	
						Report Year 2007-08	CG	Report Year +1 Forecast 2008-09	CG
Summary - Population - Water									
A2.1	Winter	-	A1.71	000	I	4978.55	A2	4996.29	A3
A2.2	Summer	-	A1.72	000	I	5240.50	B2	5258.23	B3
Household - Population - Water									
A2.3	Population of unmeasured household properties	T7, L31	A1.73	000	I	4890.29	A2	4907.09	A3
A2.4	Population of measured household properties	T7, L32	A1.74	000	I	1.14	A2	1.13	A3
A2.5	Household population connected to the water service	-	A1.75	000	C	4891.43	A2	4908.23	A3
Summary - Population - Waste water									
A2.6	Winter	-	A3.81	000	I	4978.554	A2	4996.289	A3
A2.7	Summer	-	A3.82	000	I	5240.496	B2	5258.231	B3
A2.8	Household Population connected to the wastewater service	-	A3.83	000	I	4708.678	A2	4724.657	A3
A2.9	Assumed percentage returned to sewer	-	A3.84	%	I	95.000%	A2	95.000%	A2
Water Balance									
A2.10	Water treated at own works to own customers	T10, L33	-	MI/d	I	2271.167	C3	2189.342	C3
A2.11	Distribution input treated water	T10, L30	-	MI/d	I	2271.167	C3	2189.342	C3
A2.12	Unmeasured household volume of water delivered	T10, L4	A2.1	MI/d	I	863.345	C4	866.638	C4
A2.13	Measured household volume of water delivered	T10, L1	A2.5	MI/d	I	0.212	A2	0.212	A2
A2.14	Unmeasured non-household volume of water delivered	T10, L5	sum(A2.22:A2.25)	MI/d	I	64.681	B4	64.681	B4
A2.15	Measured non-household volume of water delivered	T10, L2	sum(A2.9:A2.16)	MI/d	I	464.442	A2	464.442	A2
A2.16	Total volume (potable water)	T10, L3 + L6	-	MI/d	C	1392.681	B3	1395.973	B3
A2.17	Water taken unbilled	T10, L23	-	MI/d	I	71.138	C4	71.138	C4
A2.18	Leakage - distribution losses (incl trunk mains and service reservoirs)	T10, L29	-	MI/d	I	808.538	B3	727.395	B3
A2.19	Overall water balance (sum of line A2.16 to A2.18 = A2.11)	T10, L34	-		I		C3		C3
Water delivered - non-potable									
A2.20	Volume of non-potable water delivered	T10, L25	A2.17	MI/d	I	12.943	C5	12.943	C5
Water delivered - components									
A2.21	Bulk supply imports	T10, L32	A2.41	MI/d	I	0.000	N	0.000	N
A2.22	Bulk supply exports	T10, L33	A2.42	MI/d	I	0.000	N	0.000	N
A2.23	Estimated water delivered per unmeasured non-household	T10, L11	-	l/prop/d	C	1326.55	A2	#DIV/0!	A2
A2.24	Estimated water delivered per measured non-household	-	-	l/prop/d	C	6070.11	A2	#DIV/0!	A2
A2.25	Per capita consumption (unmeas'd h'hold - excl s/pipe leakage)	T10, L12	A2.4	l/h/d	C	154.24	C4	154.16	C4
A2.26	Per capita consumption (meas'd h'hold - excl s/pipe leakage)	T10, L13	A2.8	l/h/d	C	177.37	B2	178.66	B2
A2.27	Water taken unbilled - legally	T10, L21	A2.34	MI/d	I	63.179	C4	63.179	C4
A2.28	Water taken unbilled - illegally	T10, L22	A2.35	MI/d	I	3.072	C4	3.072	C4
A2.29	Water taken unbilled - Distribution system operational use	T10, L20	A2.33	MI/d	I	4.887	C3	4.887	C3
A2.30	Total leakage - total losses	T10, L29	A2.37	MI/d	C	924.014	C3	840.000	C3
A2.31	Leakage - supply pipe losses	-	-	MI/d	I	116.666	C3	117.770	C3
A2.32	Underground supply pipe leakage (unmeasured households, including exempt)	T10, L14	-	l/prop/d	I	47.05	C3	47.05	C3
A2.33	Underground supply pipe leakage (metered households)	T10, L15 + L16	-	l/prop/d	I	17.58	C3	17.58	C3
A2.34	Underground supply pipe leakage (unmeasured non-households, including exempt)	-	-	l/prop/d	I	40.66	C3	40.66	C3
A2.35	Underground supply pipe leakage (metered non-households)	-	-	l/prop/d	I	20.02	C3	20.02	C3
A2.36	Underground supply pipe leakage (void properties)	T10, L17	-	l/prop/d	I	48.09	C3	48.12	C3
A2.37	Meter under-registration (measured households) (included in water delivered)	T10, L18	A2.7	MI/d	I	0.008	C3	0.008	C3
A2.38	Meter under-registration (measured non-households) (included in water delivered)	T10, L19	A2.21	MI/d	I	21.267	C3	21.267	C3
Sewage - Volumes									
A2.39	Unmeasured household volume (including exempt)	T14, L1	A4.1	MI/d	I	687.27	B3	689.72	B3
A2.40	Measured household volume	-	-	MI/d	I	0.034	A2	0.034	A2
A2.41	Unmeasured non-household foul volume (including exempt)	L14, L2	sum(A4.2:A4.5)	MI/d	I	59.730	B3	59.730	B3
A2.42	Measured non-household foul volume	-	sum(A4.8:A4.15)	MI/d	I	124.779	A2	124.779	A2
A2.43	Trade effluent volume	L14, L5	A4.16	MI/d	I	104.725	A3	104.725	A3
A2.44	Total volume	L14, L3 + L4	A4.18	MI/d	C	976.537	B3	978.985	B3
A2.45	Volume septic tank waste	T14, L8	A4.19	MI	I	37.801	A3	37.801	A3
Sewage - Load (BOD/yr)									
A2.46	Unmeasured household load (including exempt)	-	-	tonnes	I	103394.048	B3	103762.360	B3
A2.47	Measured household load	-	-	tonnes	I	8.475	B4	8.475	B4
A2.48	Unmeasured non-household foul load (including exempt)	-	-	tonnes	I	6540.699	B4	6540.699	B4
A2.49	Measured household foul load	-	-	tonnes	I	12667.159	B3	12667.159	B3
A2.50	Trade effluent load	-	-	tonnes	I	32042.010	B3	32042.010	B3
A2.51	Total load discharged from primary services	-	-	tonnes	C	154652.391	B3	155020.702	B3
A2.52	Private septic tank load	-	-	tonnes	I	105.648	B3	105.648	B3
A2.53	Public septic tank load	-	-	tonnes	I	121.158	B3	121.158	B3
A2.54	Other tanker load	-	-	tonnes	I	129.613	B3	129.613	B3
A2.55	Total load entering sewerage system (BOD/yr)	-	A4.34	tonnes	C	155008.810	B3	155377.121	B3
A2.56	Average COD concentration	T15, L22	A4.35	mg/l	I	350.00	B2	350.00	B2
A2.57	Average suspended solids concentration	T15, L23	A4.36	mg/l	I	250.00	B2	250.00	B2
A2.58	Equivalent population served (resident)	-	A4.37	000	I	7232.191	B3	7257.95	B3
A2.59	Equivalent population served (resident)(numerical consents)	-	A4.38	000	I	7063.744	B3	7088.91	B3
A2.60	Total load receiving treatment through PPP treatment works	-	A4.39	tonnes	I	73070.445	B3	73330.737	B3
Sewage Sludge Disposal									
A2.61	Total sewage sludge disposal	T15, L47	A4.52	ttds	I	122.231	A2	0.000	A2
A2.62	Percentage unsatisfactory sludge disposal	T15, L48	A4.53	%	I	0.00%	A1	0.00%	A1

Prepared by: Date: 13/06/2008
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Line Ref.	Description	Ofwat Reference JR 07	WICS Reference AR 06	Units	Field Type
Summary - Population - Water					
A2.1	Winter	-	A1.71	000	I
A2.2	Summer	-	A1.72	000	I
Household - Population - Water					
A2.3	Population of unmeasured household properties	T7, L31	A1.73	000	I
A2.4	Population of measured household properties	T7, L32	A1.74	000	I
A2.5	Household population connected to the water service	-	A1.75	000	C
Summary - Population - Waste water					
A2.6	Winter	-	A3.81	000	I
A2.7	Summer	-	A3.82	000	I
A2.8	Household Population connected to the wastewater service	-	A3.83	000	I
A2.9	Assumed percentage returned to sewer	-	A3.84	%	I
Water Balance					
A2.10	Water treated at own works to own customers	T10, L33	-	Ml/d	I
A2.11	Distribution input treated water	T10, L30	-	Ml/d	I
A2.12	Unmeasured household volume of water delivered	T10, L4	A2.1	Ml/d	I
A2.13	Measured household volume of water delivered	T10, L1	A2.5	Ml/d	I
A2.14	Unmeasured non-household volume of water delivered	T10, L5	sum(A2.22-A2.25)	Ml/d	I
A2.15	Measured non-household volume of water delivered	T10, L2	sum(A2.9-A2.16)	Ml/d	I
A2.16	Total volume (potable water)	T10, L3 + L6	-	Ml/d	C
A2.17	Water taken unbilled	T10, L23	-	Ml/d	I
A2.18	Leakage - distribution losses (incl trunk mains and service reservoirs)	T10, L29	-	Ml/d	I
A2.19	Overall water balance (sum of line A2.16 to A2.18 = A2.11)	T10, L34	-	Ml/d	I
Water delivered - non-potable					
A2.20	Volume of non-potable water delivered	T10, L25	A2.17	Ml/d	I
Water delivered - components					
A2.21	Bulk supply imports	T10, L32	A2.41	Ml/d	I
A2.22	Bulk supply exports	T10, L33	A2.42	Ml/d	I
A2.23	Estimated water delivered per unmeasured non-household	T10, L11	-	l/prop/d	C
A2.24	Estimated water delivered per measured non-household	-	-	l/prop/d	C
A2.25	Per capita consumption (unmeas'd h'hold - excl s/pipe leakage)	T10, L12	A2.4	l/h/d	C
A2.26	Per capita consumption (meas'd h'hold - excl s/pipe leakage)	T10, L13	A2.8	l/h/d	C
A2.27	Water taken unbilled - legally	T10, L21	A2.34	Ml/d	I
A2.28	Water taken unbilled - illegally	T10, L22	A2.35	Ml/d	I
A2.29	Water taken unbilled - Distribution system operational use	T10, L20	A2.33	Ml/d	I
A2.30	Total leakage - total losses	T10, L29	A2.37	Ml/d	C
A2.31	Leakage - supply pipe losses	-	-	Ml/d	I
A2.32	Underground supply pipe leakage (unmeasured households, including exempt)	T10, L14	-	l/prop/d	I
A2.33	Underground supply pipe leakage (metered households)	T10, L15 + L16	-	l/prop/d	I
A2.34	Underground supply pipe leakage (unmeasured non-households, including exempt)	-	-	l/prop/d	I
A2.35	Underground supply pipe leakage (metered non-households)	-	-	l/prop/d	I
A2.36	Underground supply pipe leakage (void properties)	T10, L17	-	l/prop/d	I
A2.37	Meter under-registration (measured households) (included in water delivered)	T10, L18	A2.7	Ml/d	I
A2.38	Meter under-registration (measured non-households) (included in water delivered)	T10, L19	A2.21	Ml/d	I
Sewage - Volumes					
A2.39	Unmeasured household volume (including exempt)	T14, L1	A4.1	Ml/d	I
A2.40	Measured household volume	-	-	Ml/d	I
A2.41	Unmeasured non-household foul volume (including exempt)	L14, L2	sum(A4.2-A4.5)	Ml/d	I
A2.42	Measured non-household foul volume	-	sum(A4.8-A4.15)	Ml/d	I
A2.43	Trade effluent volume	L14, L5	A4.16	Ml/d	I
A2.44	Total volume	L14, L3 + L4	A4.18	Ml/d	C
A2.45	Volume septic tank waste	T14, L8	A4.19	Ml	I
Sewage - Load (BOD/yr)					
A2.46	Unmeasured household load (including exempt)	-	-	tonnes	I
A2.47	Measured household load	-	-	tonnes	I
A2.48	Unmeasured non-household foul load (including exempt)	-	-	tonnes	I
A2.49	Measured non-household foul load	-	-	tonnes	I
A2.50	Trade effluent load	-	-	tonnes	I
A2.51	Total load discharged from primary services	-	-	tonnes	C
A2.52	Private septic tank load	-	-	tonnes	I
A2.53	Public septic tank load	-	-	tonnes	I
A2.54	Other tanker load	-	-	tonnes	I
A2.55	Total load entering sewerage system (BOD/yr)	-	A4.34	tonnes	C
A2.56	Average COD concentration	T15, L22	A4.35	mg/l	I
A2.57	Average suspended solids concentration	T15, L23	A4.36	mg/l	I
A2.58	Equivalent population served (resident)	-	A4.37	000	I
A2.59	Equivalent population served (resident)(numerical consents)	-	A4.38	000	I
A2.60	Total load receiving treatment through PPP treatment works	-	A4.39	tonnes	I
Sewage Sludge Disposal					
A2.61	Total sewage sludge disposal	T15, L47	A4.52	tds	I
A2.62	Percentage unsatisfactory sludge disposal	T15, L48	A4.53	%	I

10
Report Year 2007-08

20
Report Year +1 Budget 2008-09

Comment Necessary?

Comment Necessary?

Y

Y

Y

Y

Y

Y

Y

N

Y

Y

Y

Y

Y

Y

Y

Y

Y

Y

Y

Y

Y

Y

Y

Y

Y

Y

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Y

Y

Y

Y

Y

Y

Y

Y

Y

Y

N

Prepared by:	Date: 13/06/2008
Checked by:	Date: 13/06/2008
Authorised by: Geoff Aikenhead	Date: 13/06/2008

CONFIDENCE GRADES LOOK UP TABLE

General		Benchmarking A1		Benchmarking A2		Benchmarking B2	
A1	G	A1	G	A1	G	A1	G
A2	G	A2	N	A2	G	A2	G
A3	G	A3	N	A3	N	A3	G
A4	N	A4	N	A4	N	A4	N
AX	G	AX	G	AX	G	AX	G
B2	G	B2	N	B2	N	B2	G
B3	G	B3	N	B3	N	B3	N
B4	N	B4	N	B4	N	B4	N
BX	G	BX	N	BX	N	BX	G
C2	N	C2	N	C2	N	C2	N
C3	N	C3	N	C3	N	C3	N
C4	N	C4	N	C4	N	C4	N
C5	N	C5	N	C5	N	C5	N
CX	N	CX	N	CX	N	CX	N
M	N	M	N	M	N	M	N
N	N	N	N	N	N	N	N
D3	N	D3	N	D3	N	D3	N
D4	N	D4	N	D4	N	D4	N
D5	N	D5	N	D5	N	D5	N
D6	N	D6	N	D6	N	D6	N
DX	N	DX	N	DX	N	DX	N