

**SECTION E : OPERATING COSTS AND EFFICIENCY**  
**Table E3: PPP Project Analysis**

Line Ref.	Description	Ofwat Ref JR 07	WICS Reference AR 06	Units	Field Type	10	20	30	40	50	60	70	80	90	100	110	120	130
						Highland CG	Highland CG	Tay CG	Aberdeen CG	Aberdeen CG	Aberdeen CG	Aberdeen CG	Moray Coast CG	Moray Coast CG	Moray Coast CG	AVSE CG	AVSE CG	AVSE CG
<b>Project Data</b>						R William	Inverness	Hatton	Nigg	Persley	Peterhead	Fraserburgh	Lossiemouth	Buckie	Banff/Macduff	Seafield	Newbridge	East Calder
E3.0	Name	-	E3.0		I	8.1	57.4	186.0	197.5	37.2	22.5	17.5	33.9	12.7	10.6	573.1	22.9	71.9
E3.1	Annual average resident connected population	-	E3.1	000	I/C	0.8	1.9	1.9	2.7	0.3	0.4	0.2	0.7	0.3	0.2	7.4	0.2	0.2
E3.2	Annual average non-resident connected population	-	E3.2	000	I/C	15	86	232	273	44	32	27	43	20	12	752	30	108
E3.3	Population equivalent of total load received	-	E3.5	000	I/C													
<b>Scope of Works</b>						1	1	1	1	1	1	1	1	1	1	1	1	1
E3.4	Sewerage	-	E3.7	1/0	I	1	1	1	1	1	1	1	1	1	1	1	1	1
E3.5	Sewage Treatment	-	E3.8	1/0	I	0	1	1	1	0	0	0	1	0	0	1	1	0
E3.6	Sludge Treatment	-	E3.9	1/0	I	1	1	1	0	0	1	1	1	1	1	1	1	0
E3.7	Terminal Pumping Station	-	E3.10	1/0	I	0	1	1	0	0	0	1	1	1	1	1	1	0
E3.8	Other (state details)	-	E3.11	1/0	I	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Sewage Treatment - Effluent Consent Standard</b>						100	100	100	0	100	0	0	100	100	100	375	100	100
E3.9	Suspended solids consent	-	E3.17	mg/l	I	25	25	25	25	25	25	25	25	25	25	25	25	15
E3.10	BOD consent	-	E3.18	mg/l	I	125	125	125	125	125	125	125	125	125	125	125	125	125
E3.11	COD consent	-	E3.19	mg/l	I	0	0	0	0	0	0	0	0	0	0	0	0	2
E3.12	Ammonia consent	-	E3.20	mg/l	I	0	0	0	0	2	0	0	0	0	0	0	0	1
E3.13	Phosphate consent	-	E3.21	mg/l	I	100	100	100	100	96	100	100	100	100	100	100	100	100
E3.14	Compliance with effluent consent standard	-	E3.22	%	I													
<b>Treatment Works Category</b>						1	1	1	1	0	1	1	0	0	0	1	1	1
E3.15	Primary	-	E3.25	1/0	I	1	1	1	1	0	1	1	0	0	0	1	1	1
E3.16	Secondary activated sludge	-	E3.26	1/0	I	0	0	0	0	0	0	0	0	0	0	0	0	0
E3.17	Secondary biological	-	E3.27	1/0	I	0	0	0	0	0	0	0	0	0	0	0	0	0
E3.18	Tertiary A1	-	E3.28	1/0	I	0	0	0	0	0	0	0	0	0	0	0	0	1
E3.19	Tertiary A2	-	E3.29	1/0	I	0	1	0	0	1	0	1	0	0	1	1	1	1
E3.20	Tertiary B1	-	E3.30	1/0	I	0	0	0	0	0	0	0	0	0	0	0	0	0
E3.21	Tertiary B2	-	E3.31	1/0	I	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Sewerage Data</b>						4.28	10.74	40.70	35.70	0.41	0.96	1.80	31.57	18.54	9.52	44.05	3.06	0.00
E3.22	Total length of sewer	-	E3.47	km	I	4.28	10.74	40.70	35.70	0.41	0.96	1.80	31.57	18.54	9.52	44.05	3.06	0.00
E3.23	Length of critical sewer	-	E3.48	km	I	4	4	16	14	0	0	1	7	12	10	7	2	0
E3.24	Number of pumping stations	-	E3.49	nr	I	65992	247622	2480129	192871	0	0	16848	236563	44240	239242	238723	27043	0
E3.25	Capacity of pumping stations (m <sup>3</sup> /d)	-	E3.50	m <sup>3</sup> /day	I	59	806	6623	2103	0	0	0	325	525	625	713	26	0
E3.26	Capacity of pumping stations (kw)	-	E3.51	kw	I	2	1	7	12	0	0	0	4	8	7	6	1	0
E3.27	Number of combined pumping stations	-	E3.52	nr	I	4821	34214	209002	96362	0	0	0	65232	23599	115949	116035	10109	0
E3.28	Capacity of combined pumping stations (m <sup>3</sup> /d)	-	E3.53	m <sup>3</sup> /day	I	0	2	6	2	0	0	0	1	1	1	0	0	0
E3.29	Number of stormwater pumping stations	-	E3.54	nr	I	0	209088	2105741	96509	0	0	0	142560	6394	56419	0	0	0
E3.30	Capacity of stormwater pumping stations (m <sup>3</sup> /d)	-	E3.55	m <sup>3</sup> /day	I	2	1	9	8	0	0	1	4	10	8	9	1	0
E3.31	Number of combined sewer overflows	-	E3.56	nr	I	2	1	9	8	0	0	1	4	10	8	9	1	0
E3.32	Number of combined sewer overflows (screened)	-	E3.57	nr	I	2	1	9	8	0	0	1	4	10	8	9	1	0
<b>Sludge Treatment and Disposal Data</b>						0	0	0	0	0	0	0	0	0	0	0	0	0
E3.33	Farmland Untreated	-	E3.58	ttds	I/C	0	2	1	0	0	0	0	0	0	0	0	0	0
E3.34	Farmland Conventional	-	E3.59	ttds	I/C	0	0	4	12	0	0	0	2	0	0	0	0	0
E3.35	Farmland Advanced	-	E3.60	ttds	I/C	0	0	0	0	0	0	0	0	0	0	0	0	0
E3.36	Incineration	-	E3.62	ttds	I/C	0	0	0	0	0	0	0	0	0	0	0	0	0
E3.37	Landfill	-	E3.61	ttds	I/C	0	0	0	0	0	0	0	0	0	0	0	0	0
E3.38	Composted	-	E3.63	ttds	I/C	0	0	0	0	0	0	0	0	0	0	0	0	0
E3.39	Land Reclamation	-	E3.64	ttds	I/C	0	0	0	0	0	0	0	0	0	0	0	0	0
E3.40	Other	-	E3.65	ttds	I/C	0	0	0	0	0	0	0	0	0	0	0	0	0

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 Checked by: ..... Date: .....  
 Authorised by: Alan Scott Date: 13th June 2014



**SECTION E: OPERATING COSTS AND EFFICIENCY**

**Table E3a: PPP Cost Analysis**

Line Ref.	Description	Ofwat Ref JR 07	WICS Reference AR 06	Units	Field Type	10		20		30		40		50		60		70		80		90		100		110	
						Highland	CG	Highland	CG	Tay	CG	Aberdeen	CG	Aberdeen	CG	Aberdeen	CG	Aberdeen	CG	Moray Coast	CG	Moray Coast	CG	Moray Coast	CG	Moray Coast	CG
E3a.0	Name	-	E3a.0			Rt William		Inverness		Hatton		Nigg		Persley		Peterhead		Fraserburgh		Lossiemouth		Buckie		Banff/Macduff		Seafeld	
<b>Sewerage Costs</b>																											
E3a.1	Estimated direct operating cost	-	E3a.1	£m	I/C	0.040	D6	0.135	D6	2.259	D6	1.589	D6	0.005	D6	0.051	D6	0.032	D6	0.502	D6	0.392	D6	0.287	D6	0.360	D6
E3a.2	Rates paid by the PPP contractor	-	E3a.2	£m	I/C	0.000	N	0.000	N	0.000	N	0.000	N	0.000	N	0.000	N	0.000	N	0.000	N	0.000	N	0.000	N	0.000	N
E3a.3	SEPA charges paid by the PPP contractor	-	E3a.3	£m	I/C	0.001	A2	0.000	N	0.010	A2	0.000	A2	0.000	N	0.000	N	0.000	N	0.002	A2	0.006	A2	0.009	A2	0.007	A2
E3a.4	Total direct cost	-	E3a.4	£m	C	0.041	D6	0.135	D6	2.269	D6	1.589	D6	0.005	D6	0.051	D6	0.032	D6	0.504	D6	0.398	D6	0.296	D6	0.367	D6
E3a.5	Scottish Water general & support expenditure	-	E3a.5	£m	I/C	-0.001	CX	0.003	C4	0.030	C4	0.134	C4	0.000	CX	0.000	CX	0.000	CX	-0.001	C4	-0.003	C4	0.000	C4	0.000	C4
E3a.6	Scottish Water SEPA charges	-	E3a.6	£m	I/C	0.000	N	0.000	N	0.000	N	0.000	N	0.000	N	0.000	N	0.000	N	0.000	N	0.000	N	0.000	N	0.000	N
E3a.7	Total sewerage cost	-	E3a.7	£m	C	0.040	D6	0.138	D6	2.299	D6	1.723	D6	0.005	D6	0.051	D6	0.032	D6	0.503	D6	0.395	D6	0.296	D6	0.367	D6
<b>Sewage Treatment Costs</b>																											
E3a.8	Estimated direct operating cost	-	E3a.8	£m	I/C	0.644	D6	1.371	D6	1.795	D6	1.386	D6	0.907	D6	0.596	D6	0.538	D6	0.473	D6	0.364	D6	0.409	D6	9.538	D6
E3a.9	Rates paid by the PPP contractor	-	E3a.9	£m	I/C	0.050	B3	0.175	B3	0.256	B3	0.409	B3	0.149	B3	0.060	B3	0.080	B3	0.038	B3	0.039	B3	0.056	B3	0.974	B3
E3a.10	SEPA charges paid by the PPP contractor	-	E3a.10	£m	I/C	0.018	A2	0.233	A2	0.116	A2	0.141	A2	0.014	A2	0.035	A2	0.035	A2	0.032	A2	0.032	A2	0.032	A2	0.141	A2
E3a.11	Total direct cost	-	E3a.11	£m	C	0.712	D6	1.779	D6	2.167	D6	1.936	D6	1.070	D6	0.691	D6	0.653	D6	0.543	D6	0.435	D6	0.497	D6	10.653	D6
E3a.12	Scottish Water general & support expenditure	-	E3a.12	£m	I/C	-0.016	C4	0.057	C4	0.046	C4	0.196	C4	0.012	C4	0.009	C4	0.008	C4	-0.001	C4	-0.004	C4	-0.001	C4	0.014	C4
E3a.13	Scottish Water SEPA charges	-	E3a.13	£m	I/C	0.000	N	0.000	N	0.000	N	0.253	A2	0.000	N	0.000	N	0.000	N	0.000	N	0.000	N	0.000	N	0.000	N
E3a.14	Total sewage treatment cost	-	E3a.14	£m	C	0.696	D6	1.836	D6	2.213	D6	2.385	D6	1.082	D6	0.700	D6	0.661	D6	0.542	D6	0.431	D6	0.496	D6	10.667	D6
E3a.15	Estimated terminal pumping cost	-	E3a.15	£m	I/C	0.000	M	0.003	A3	0.012	M	0.000	N	0.000	N	0.001	A3	0.000	M	0.002	A3	0.000	M	0.000	M	0.000	M
<b>Sludge Treatment and Disposal Costs</b>																											
E3a.16	Estimated direct operating cost	-	E3a.16	£m	I/C	0.000	N	0.852	D6	2.553	D6	1.711	D6	0.000	N	0.000	N	0.000	N	1.695	D6	0.000	N	0.000	N	2.819	D6
E3a.17	Rates paid by the PPP contractor	-	E3a.17	£m	I/C	0.000	N	0.087	B3	0.289	B3	0.371	B3	0.000	N	0.000	N	0.000	N	0.157	B3	0.000	N	0.000	N	0.274	B3
E3a.18	SEPA charges paid by the PPP contractor	-	E3a.18	£m	I/C	0.000	N	0.009	A2	0.002	A2	0.004	A2	0.000	N	0.000	N	0.000	N	0.000	N	0.000	N	0.000	N	0.003	A2
E3a.19	Total direct cost	-	E3a.19	£m	C	0.000	N	0.948	D6	2.844	D6	2.086	D6	0.000	N	0.000	N	0.000	N	1.852	D6	0.000	N	0.000	N	3.096	D6
E3a.20	Scottish Water general & support expenditure	-	E3a.20	£m	I/C	0.000	N	0.385	C4	0.155	C4	0.779	C4	0.000	N	0.000	N	0.000	N	0.139	C4	0.000	N	0.000	N	0.001	C4
E3a.21	Scottish Water SEPA charges	-	E3a.21	£m	I/C	0.000	N	0.000	N	0.000	N	0.000	N	0.000	N	0.000	N	0.000	N	0.000	N	0.000	N	0.000	N	0.000	N
E3a.22	Total sludge treatment & disposal cost	-	E3a.22	£m	C	0.000	N	1.333	D6	2.999	D6	2.865	D6	0.000	N	0	N	0.000	N	1.991	D6	0.000	N	0.000	N	3.097	D6
<b>Total Cost Analysis</b>																											
E3a.23	Total direct cost	-	E3a.23	£m	C	0.753	D6	2.862	D6	7.280	D6	5.611	D6	1.075	D6	0.742	D6	0.685	D6	2.899	D6	0.833	D6	0.793	D6	14.116	D6
E3a.24	Total Scottish Water cost	-	E3a.24	£m	C	-0.017	C4	0.445	C4	0.231	C4	1.362	C4	0.012	C4	0.009	C4	0.008	C4	0.137	C4	-0.007	C4	-0.001	C4	0.015	C4
E3a.25	Total operating cost	-	E3a.25	£m	C	0.736	D6	3.307	D6	7.511	D6	6.973	D6	1.087	D6	0.751	D6	0.693	D6	3.036	D6	0.826	D6	0.792	D6	14.131	D6
E3a.26	Annual charge	-	E3a.26	£m	I/C	4.035	A1	6.361	A1	21.210	A1	14.053	A1	2.384	A1	1.681	A1	1.841	A1	4.167	A1	2.507	A1	2.688	A1	19.814	B3
E3a.27	Public sector capital equivalent value	-	E3a.27	£m	I	21.687	B3	70.015	B3	187.997	B3	103.656	B3	25.174	B3	20.731	B3	25.174	B3	46.027	B3	33.972	B3	29.589	B3	80.853	B3
<b>Contract Information</b>																											
E3a.28	Contract period	-	E3a.28	years	I	25	A1	25	A1	30	A1	30	A1	30	A1	30	A1	30	A1	30	A1	30	A1	30	A1	30	A1
E3a.29	Contract end date	-	E3a.29	dd/mm/yy	I	12/12/21	A1	12/12/21	A1	16/12/29	A1	04/05/30	A1	04/05/30	A1	04/05/30	A1	04/05/30	A1	25/06/31	A1	25/06/31	A1	25/06/31	A1	30/11/29	A1

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 Authorised by: Alan Scott Date: 13th June 2014



**SECTION E: OPERATING COSTS AND EFFICIENCY**  
**Table E4: Water Resources and Treatment**

Line Ref.	Description	Ofwat Ref JR 07	WICS Reference AR 06	Units	Field Type
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Source Types					
E4.0	Area Name	-	E4.0	-	I
E4.1	Impounding reservoirs	T12, L1	E4.1	nr, MI/d	I/C
E4.2	Lochs	-	E4.2	nr, MI/d	I/C
E4.3	River and burn abstractions	T12, L2	E4.3	nr, MI/d	I/C
E4.4	Boreholes	T12, L3	E4.4	nr, MI/d	I/C
E4.5	Total	-	E4.5	nr, MI/d	C
E4.6	Bulk water exports	-	E4.6	nr, MI/d	I/C
E4.7	Bulk water imports	-	E4.7	nr, MI/d	I/C

E4.8	Impounding reservoirs	-	E4.8	nr	C
E4.9	Lochs	-	E4.9	nr	C
E4.10	River and burn abstractions	-	E4.10	nr	C
E4.11	Boreholes	-	E4.11	nr	C
E4.12	Total	-	E4.12	nr	C

Peak demand and Pumping Head					
E4.13	Peak demand - peak to average ratio	-	E4.13	nr	I
E4.14	Average pumping head - resources and treatment	T12, L5	E4.14	m	I

Resources and Treatment costs (operational area)					
E4.15	Power	T21, L2	E1.2	£m	I/C
E4.16	Service charges by SEPA	T21, L7	E1.6	£m	I/C
E4.17	Total direct costs	T21, L10	E1.9	£m	I/C
E4.18	General and support costs	T21, L11	E1.10 + E1.11	£m	I/C
E4.19	Functional expenditure	T21, L12	E1.12	£m	C

Water Treatment Works by Process Type					
E4.20	Simple Disinfection	T12, L6	E4.17	nr, MI/d, £m	I/C
E4.21	W1	T12, L7	E4.18	nr, MI/d, £m	I/C
E4.22	W2	T12, L8	E4.19	nr, MI/d, £m	I/C
E4.23	W3	T12, L9	E4.20	nr, MI/d, £m	I/C
E4.24	W4	T12, L10	E4.21	nr, MI/d, £m	I/C
E4.25	Total numbers of works	T12, L12	E4.22	nr	C
E4.26	Total distribution input	T12, L11	E4.23	MI/d	C
E4.27	Total Operating costs	-	-	£m	C

Water Treatment Works by Size Band					
E4.28	Size band <= 1 MI/d	-	E4.30, E4.47	nr, £m	I/C
E4.29	Size band > 1 - <= 2.5 MI/d	-	E4.31, E4.48	nr, £m	I/C
E4.30	Size band > 2.5 - <= 5 MI/d	-	E4.32, E4.49	nr, £m	I/C
E4.31	Size band > 5 - <= 10 MI/d	-	E4.33, E4.50	nr, £m	I/C
E4.32	Size band > 10 - <= 25 MI/d	-	E4.34, E4.51	nr, £m	I/C
E4.33	Size band > 25 - <= 50 MI/d	-	E4.35, E4.53	nr, £m	I/C
E4.34	Size band > 50 - <= 100 MI/d	-	E4.36, E4.54	nr, £m	I/C
E4.35	Size band > 100 - <= 175 MI/d	-	E4.37, E4.55	nr, £m	I/C
E4.36	Size band > 175 MI/d	-	E4.38, E4.56	nr, £m	I/C
E4.37	Total number of works	-	E4.39	nr	C
E4.38	Proportion of distribution input - total	-	E4.40	nr	C
E4.39	Total operating costs	-	E4.57	£m	C

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Authorised by: Geoff Aitkenhead Date: 13th June 2014

10	20	30	40	50	60	70	80	100	110	120	130	140	150	160	170	180	200
Number of Own Sources									Own Source Outputs								Total Source Outputs
Area 1	Area 2	Area 3	Area 4	Area 5	Area 6	Area 7	Area 8	Total Sources	Area 1	Area 2	Area 3	Area 4	Area 5	Area 6	Area 7	Area 8	Total Source Outputs

number				average daily output (MI/d)				MI/d
North	East	South	West	North	East	South	West	
33	19	26	29	79,584	300,357	417,893	548,595	1346,429
29	9	0	1	10,630	8,798	0,000	0,000	19,428
48	15	1	15	12,153	153,252	0,024	215,744	381,173
22	25	11	1	16,834	30,035	26,565	3,293	76,727
132	68	38	46	119,201	492,441	444,482	767,632	1823,756
				0	0	0	0	0,000
				0	0	0	0	0,000

Proportional Breakdown of Source output produced								Proportion of Own Source Output
Area 1	Area 2	Area 3	Area 4	Area 5	Area 6	Area 7	Area 8	
0.044	0.165	0.229	0.301	0.000	0.000	0.000	0.000	0.738
0.006	0.005	0.000	0.000	0.000	0.000	0.000	0.000	0.011
0.007	0.084	0.000	0.118	0.000	0.000	0.000	0.000	0.209
0.009	0.016	0.015	0.002	0.000	0.000	0.000	0.000	0.042
0.065	0.270	0.244	0.421	0.000	0.000	0.000	0.000	1.000

10	20
Total	CG
1,154	C3
27.6	C4

Resource and treatment - Costs									120
Area 1	Area 2	Area 3	Area 4	Area 5	Area 6	Area 7	Area 8	Total	CG
2,471	3,704	1,918	2,995					11,088	A2
0,612	0,642	0,692	0,825					2,771	A2
12,082	12,803	9,214	14,670					48,769	A2
3,518	3,204	2,574	3,086					12,382	A2
15,600	16,007	11,788	17,756	0,000	0,000	0,000	0,000	61,151	A2

Total Nr of Works		Total volume Dist'n input		Tot. prop'n of D.I.	Operating Costs	
nr	CG	MI/d	CG	Prop'n (0-1)	£m	CG
37	B2	37,586	B3	0.021	2,303	A2
6	B2	0,341	B3	0.000	0,213	A2
30	B2	651,636	B3	0.357	13,426	A2
152	B2	1048,583	B3	0.575	40,017	A2
31	B2	85,610	B3	0.047	5,192	A2
256	B2	1823,756	B3	1.000	61,151	A2

Nr of Works		Prop'n of D.I.		Operating Costs	
nr	CG	Prop'n (0-1)	CG	£m	CG
142	B2	0.011	C3	9,302	A2
25	B2	0.013	C3	4,150	A2
26	B2	0.035	C3	5,962	A2
16	B2	0.045	C3	6,179	A2
20	B2	0.108	C3	9,834	A2
12	B2	0.152	C3	8,808	A2
9	B2	0.228	C3	7,345	A2
4	B2	0.201	C3	5,071	A2
2	B2	0.207	C3	4,500	A2
256	B2	1	C3	61,151	A2

299  
CG

B2  
B2  
B2  
B2  
A1  
A1

**SECTION E: OPERATING COSTS AND EFFICIENCY**  
**Table E6: Water Distribution**

Line Ref.	Description	Ofwat Ref	WICS Reference	Units	Field Type
		CMR 02, JR07	AR 06		

Area Data					
E6.0	Name	-	E6.0	Name	I
E6.1	Annual average resident connected population	-	E6.1	000	I/C
E6.2	Total connected properties	-	E6.2	000	I/C
E6.3	Volume of water delivered to households	-	E6.3	MI/d	I/C
E6.4	Volume of water delivered to non-households	-	E6.4	MI/d	I/C
E6.5	Area	-	E6.5	km <sup>2</sup>	I/C
E6.6	Number of supply zones	-	E6.7	nr	I/C

Distribution costs					
E6.7	Power	T21, L2	E1.2	£m	I/C
E6.8	Service charges by SEPA	T21, L7	E1.6	£m	I/C
E6.9	Total direct costs	T21, L10	E1.9	£m	I/C
E6.10	General and support costs	T21, L11	E1.10 + E1.11	£m	I/C
E6.11	Functional expenditure	T21, L12	E1.12	£m	C

Water main data					
E6.12	Potable mains: Band 1 (<= 165mm)	T12,L13 C1	-	km	I
E6.13	Potable mains: Band 2 (166 - 320mm)	T12,L13 C2	-	km	I
E6.14	Potable mains: Band 3 (321 - 625mm)	T12,L13 C3	-	km	I
E6.15	Potable mains: Band 4 (> 625mm)	T12,L13 C4	-	km	I
E6.16	Total length of mains	-	E6.8	km	C
E6.17	Total length of unlined iron mains	-	E6.9	km	I
E6.18	Total length of mains > 320mm diameter	-	E6.10	km	C
E6.19	Water mains bursts	-	E6.11	nr	I
E6.20	Leakage level	-	E6.12	MI/d	I
E6.21	Properties reported for low pressure	-	E6.13	nr	I/C

Pumping Stations					
E6.22	Total number of pumping stations	-	E6.14	nr	I/C
E6.23	Total capacity of pumping stations	-	E6.15	m <sup>3</sup> /d	I/C
E6.24	Total capacity of booster pumping stations	CM3, L18	E6.15a	Kw	I/C
E6.25	Average pumping head	-	E6.16	m	I

Service Reservoirs					
E6.26	Total number of service reservoirs	CM3, L13	E6.17	nr	I/C
E6.27	Total capacity of service reservoirs	CM3, L14	E6.18	MI	I/C

Water Towers					
E6.28	Total number of water towers	CM3, L15	E6.19	nr	I/C
E6.29	Total capacity of tower towers	CM3, L16	E6.20	MI	I/C

Prepared by: ..... Date: .....  
 Checked by: ..... Date: .....  
 Authorised by: Geoff Aitkenhead Date: 13th June 2014

10	20	30	40	50	60	50	60	199									
Report Year 2013-14																	
Area 1		Area 2		Area 3		Area 4		Area 5		Area 6		Area 7		Area 8		Total	
CG	CG	CG	CG	CG	CG	CG	CG	CG	CG	CG	CG	CG	CG	CG	CG	CG	CG

North		East		South		West												
273.2	A2	1307.1	A2	1743.0	A2	1793.4	A2										5116.7	A2
153.292	B4	670.714	B4	860.996	B4	922.678	B4										2607.679	B4
49.472	B2	218.600	B2	278.548	B2	294.991	B2										841.612	B2
20.780	B4	107.981	B4	101.827	B4	179.678	B4										410.266	B4
35208.130	A1	20368.092	A1	15475.460	A1	8744.388	A1										79796.070	A1
119	A1	58	A1	51	A1	62	A1										290	A1

0.664	A2	3.107	A2	1.727	A2	2.729	A2										8.227	A2
0.000	A2	0.000	A2	0.000	A2	0.000	A2										0.000	A2
5.643	A2	12.231	A2	11.691	A2	16.980	A2										46.545	A2
2.287	A2	3.739	A2	3.880	A2	4.453	A2										14.359	A2
7.930	A2	15.970	A2	15.571	A2	21.433	A2	0.000		0.000		0.000		0.000			60.904	A2

6238.43	B2	11502.32	B2	9938.51	B2	7862.78	B2										35542.05	B2
1210.37	B2	2382.51	B2	2752.87	B2	2300.95	B2										8646.70	B2
177.30	B2	970.20	B2	1160.06	B2	780.38	B2										3087.94	B2
7.94	B2	138.08	B2	310.40	B2	373.90	B2										830.31	B2
7634.04	B2	14993.11	B2	14161.84	B2	11318.01	B2	0.00		0.00		0.00		0.00			48107.00	B2
827.48	B2	2623.26	B2	4883.00	B2	4300.25	B2										12633.99	B2
185.24	B2	1108.28	B2	1470.45	B2	1154.28	B2	0.00		0.00		0.00		0.00			3918.25	B2
1150	B3	1711	B3	2300	B3	2695	B3										7856	B3
50.372	B3	115.967	B3	185.845	B3	255.638	B3										607.822	B3
44	B2	326	B2	35	B2	24	B2										429	B2

177	B2	178	B2	130	B2	114	B2										599	B2
150541	C4	699635	C4	577202	C4	990089	C4										2417467	C4
2797.2	C3	13416.1	C3	10025.5	C3	16395.6	C3										42634.5	C3
22.85	C4	30.60	C4	40.93	C4	28.69	C4										31.73	C4

421	B2	463	B2	250	B2	229	B2										1363	B2
221.715	B2	1230.055	B2	1110.033	B2	1405.957	B2										3967.760	B2

3	B2	6	B2	6	B2	4	B2										19	B2
0.532	B2	4.067	B2	12.544	B2	12.577	B2										29.720	B2

**SECTION E : OPERATING COSTS AND EFFICIENCY**

**Table E7: Wastewater Explanatory Factors - Sewerage & Sewage treatment by area**

Line Ref.	Description	Ofwat Ref JR 07	WICS Reference AR 10	Units	Field Type
<b>Area Data</b>					
E7.0	Name	-	E7.0	Name	I
E7.1	Annual average resident connected population	T17a, L1	E7.1	000	I/C
E7.2	Annual average non-resident connected population	T17a, L2	E7.2	000	I/C
E7.3	Volume of sewage collected (daily average)	T17a, L3	E7.3	MI/d	I/C
E7.4	Total connected properties	T17a, L4	E7.4	nr	I/C
E7.5	Area of Sewerage District	T17a, L5	E7.5	km <sup>2</sup>	I/C
E7.6	Drained Area	-	E7.6	km <sup>2</sup>	I/C
E7.7	Annual Precipitation	-	E7.7	mm	I
<b>Sewerage Data</b>					
E7.8	Total length of sewer	T17a, L6	E7.8	km	I/C
E7.9	Total length of lateral sewer	-	E7.9	km	I/C
E7.10	Length of combined sewer	-	E7.10	km	I/C
E7.11	Length of separate stormwater sewer	-	E7.11	km	I/C
E7.12	Length of sewer > 1000 mm diameter	-	E7.12	km	I/C
E7.13	Length of Critical Sewer	-	E7.13	km	I/C
E7.14	Sewer Collapses	-	E7.14	nr	I/C
<b>Sewerage costs</b>					
E7.15	Power	T22, L2	E2.2	£m	I/C
E7.16	Service charges by SEPA	T22, L7	E2.5	£m	I/C
E7.17	Total direct costs	T22, L9	E2.7	£m	C
E7.18	General and support costs	T22, L10	E2.8	£m	I/C
E7.19	Functional expenditure	T22, L11	E2.9	£m	C
<b>Pumping Stations</b>					
E7.20	Total number of pumping stations	-	E7.15	nr	I/C
E7.21	Total capacity of pumping stations (m <sup>3</sup> /d)	-	E7.16	m <sup>3</sup> /d	I/C
E7.22	Total capacity of pumping stations (kw)	-	E7.16a	Kw	I/C
E7.23	Average pumping head	-	E7.17	m	I
E7.24	Total number of combined pumping stations	-	E7.18	nr	I/C
E7.25	Total capacity of combined pumping stations	-	E7.19	m <sup>3</sup> /d	I/C
E7.26	Total number of stormwater pumping stations	-	E7.20	nr	I/C
E7.27	Total capacity of stormwater pumping stations	-	E7.21	m <sup>3</sup> /d	I/C
E7.28	Number of combined sewer overflows	-	E7.22	nr	I/C
E7.29	Number of combined sewer overflows (screened)	-	E7.23	nr	I/C
<b>Sewage treatment works</b>					
E7.30	Number of sewage treatment works	-	-	nr	I/C
E7.31	Total Load	-	-	kg BOD/day	I/C
<b>Sewage treatment costs</b>					
E7.32	Power	T22, L2	E2.2	£m	I/C
E7.33	Service charges by SEPA	T22, L7	E2.5	£m	I/C
E7.34	Total direct costs	T22, L9	E2.7	£m	I/C
E7.35	General and support costs	T22, L10	E2.8	£m	I/C
E7.36	Functional expenditure	T22, L11	E2.9	£m	I/C

Prepared by: ..... Date: .....  
 Checked by: ..... Date: .....  
 Authorised by: Geoff Aitkenhead Date: 13th June 2014

Report Year 2013-14																		
Area 1		Area 2		Area 3		Area 4		Area 5		Area 6		Area 7		Area 8		Total		
CG		CG		CG		CG		CG		CG		CG		CG		CG		
North		East		South		West												
214.7	B2	1202.2	B2	1623.3	B2	1781.1	B2										4821.315	B2
15.4	C4	19.9	C4	20.1	C4	14.4	C4										69.852	C4
205.0	C3	673.8	C3	962.5	C3	1136.8	C3										2978.1	C3
122994	B4	636272	B4	828587	B4	895210	B4										2483063	B4
35208	A1	20368	A1	15475	A1	8744	A1										79796	A1
150.021	A2	507.329	A2	606.659	A2	643.500	A2										1907.509	B2
1070	A2	887	A2	1022	A2	1383	A2										1113	A2
4049	C4	13566	C4	17308	C4	15143	C4										50066	C4
1054	C4	4396	C4	6002	C4	4979	C4										16431	C4
1439	B2	4360	B2	5454	B2	6167	B2										17420	B2
544	B2	2280	B2	3076	B2	2094	B2										7994	B2
15	B2	147	B2	256	B2	358	B2										776	B2
824	B3	2813	B3	3696	B3	3544	B3										10877	B3
10	B5	20	B5	48	B5	46	B5										124	B5
1	A2	2	A2	2	A2	3	A2										7.386	A2
0	A2	0	A2	0	A2	1	A2										1.777	A2
4	A2	8	A2	8	A2	10	A2										30.638	A2
1.6	A2	3.0	A2	3.1	A2	3.2	A2										10.988	A2
6	A2	11	A2	11	A2	13	A2										41.626	A2
517	B3	780	B3	443	B3	416	B3										2156	B3
1597574	C4	3204111	C4	2939309	C4	4895956	C4										12636951	C4
9387	C4	24396	C4	13680	C4	30345	C4										77807	C4
55.5	C5	23.1	C5	19.7	C5	25.8	C5										30.9	C5
296	B3	497	B3	272	B3	283	B3										1348	B3
1151919	C4	2476688	C4	2421802	C4	4246159	C4										10296568	C4
13	B3	15	B3	3	B3	5	B3										36	B3
66327	C4	169279	C4	8704	C4	22801	C4										267111	C4
381	A3	868	A3	910	A3	990	A3										3149	A3
158	A3	205	A3	299	A3	326	A3										988	A3
572	A3	598	A3	494	A3	204	A3										1868	A3
12580	B3	44254	B3	75089	B3	97182	B3										229105	B3
2	A2	3	A2	5	A2	5	A2										15.034	A2
1	A2	2	A2	2	A2	2	A2										6.789	A2
6	A2	9	A2	12	A2	11	A2										37.505	A2
1.8	A2	2.2	A2	2.8	A2	2.3	A2										9.122	A2
8	A2	11	A2	15	A2	13	A2										46.627	A2

ANNUAL RETURN INFORMATION REQUIREMENT

SECTION E: OPERATING COSTS AND EFFICIENCY

Table EB: Wastewater Explanatory Factors - Sewage Treatment Works

Line Ref.	Description	Ofwat Ref	WICS Reference	Units	Field Type	10	20	30	40	50	60	70	80	90	100	110	199					
						Treatment Category																Total
						Septic Tanks		Primary		Sec Activated Sludge	Sec biological		Tertiary A1		Tertiary A2		Tertiary B1		Tertiary B2		Sea Preliminary	Sea Screened
CG	CG	CG	CG	CG	CG	CG	CG	CG	CG	CG	CG	CG	CG	CG	CG	CG	CG	CG				
<b>Numbers</b>																						
EB.1	Size Band 0	-	EB.1	nr	I/C	979	5	15	93	7	3	10	3	1	1	24	1141					
EB.2	Size Band 1	T17c. L1	EB.2	nr	I/C	118	9	22	53	4	2	11	2	0	0	2	223					
EB.3	Size Band 2	T17c. L2	EB.3	nr	I/C	54	7	17	41	2	4	8	3	0	0	0	136					
EB.4	Size Band 3	T17c. L3	EB.4	nr	I/C	31	13	41	65	7	3	19	4	0	0	3	186					
EB.5	Size Band 4	T17c. L4	EB.5	nr	I/C	0	8	44	38	7	4	9	2	9	1	1	123					
EB.6	Size Band 5	T17c. L5	EB.6	nr	I/C	0	1	23	2	5	2	1	0	0	0	0	36					
EB.7	Size Band 6 (Large Works)	T17c. L6	EB.7	nr	I/C	0	0	18	1	1	2	0	0	0	0	0	23					
EB.8	Total Sewage Treatment Works	T17c. L7	EB.8	nr	C	1182	43	180	293	33	19	61	15	10	5	27	1868					
EB.9	Small Sewage treatment works with ammonia consent <= 10 mg/l	T17c. L8	EB.9	nr	I/C	0	0	13	30	4	0	5	0	0	0	0	52					
EB.10	Small Sewage treatment works with ammonia consent <= 5 mg/l	T17c. L9	EB.10	nr	I/C	0	0	12	13	13	2	10	4	0	0	0	54					

Line Ref.	Description	Ofwat Ref	WICS Reference	Units	Field Type	10	20	30	40	50	60	70	80	90	100	110	199	Total excluding Septic Tanks			
						Loading (average daily load)															
						CG	CG	CG	CG	CG	CG	CG	CG	CG	CG	CG	CG	CG	CG	CG	CG
<b>Loading (average daily load)</b>																					
EB.11	Size Band 0	-	EB.11	kg BOD/day	I/C	1533	17	49	248	32	8	27	6	2	2	49	439				
EB.12	Size Band 1	T17d. L1	EB.12	kg BOD/day	I/C	1217	99	240	567	43	16	123	15	0	0	18	1122				
EB.13	Size Band 2	T17d. L2	EB.13	kg BOD/day	I/C	1187	166	365	925	48	81	164	72	0	0	0	1821				
EB.14	Size Band 3	T17d. L3	EB.14	kg BOD/day	I/C	1801	743	2893	4461	523	214	1106	331	0	150	0	10420				
EB.15	Size Band 4	T17d. L4	EB.15	kg BOD/day	I/C	0	2138	14292	10597	2140	1310	2666	364	1913	453	329	36202				
EB.16	Size Band 5	T17d. L5	EB.16	kg BOD/day	I/C	0	729	19764	1786	4525	1349	2399	757	0	0	0	31310				
EB.17	Size Band 6 (large works)	T17d. L6	EB.17	kg BOD/day	I/C	0	0	116184	3758	16226	1530	4355	0	0	0	0	142055				
EB.18	Total Load Received	T17d. L7	EB.18	kg BOD/day	C	5738	3892	153787	22343	23538	4508	10839	1546	1915	605	396	223368				
EB.19	Small Sewage treatment works with ammonia consent <= 10 mg/l	T17d. L8	EB.19	kg BOD/day	I/C	0	0	4401	2103	1943	0	255	0	0	0	0	8702				
EB.20	Small Sewage treatment works with ammonia consent <= 5 mg/l	T17d. L9	EB.20	kg BOD/day	I/C	0	0	5243	1960	1783	1201	2387	1205	0	0	0	13779				

Line Ref.	Description	Ofwat Ref	WICS Reference	Units	Field Type	10	20	30	40	50	60	70	80	90	100	110	199				
						Compliance															
						CG	CG	CG	CG	CG	CG	CG	CG	CG	CG	CG	CG	CG	CG	CG	CG
<b>Compliance</b>																					
EB.21	Size Band 0	-	EB.21	%	I	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0				
EB.22	Size Band 1	-	EB.22	%	I/C	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	0.0	0.0	100.0	100.0				
EB.23	Size Band 2	-	EB.23	%	I/C	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	0.0	0.0	0.0	100.0				
EB.24	Size Band 3	-	EB.24	%	I/C	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	0.0	0.0	0.0	100.0				
EB.25	Size Band 4	-	EB.25	%	I/C	100.0	100.0	100.0	97.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0				
EB.26	Size Band 5	-	EB.26	%	I/C	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	0.0	0.0	0.0	100.0				
EB.27	Size Band 6 (large works)	-	EB.27	%	I/C	0.0	100.0	100.0	100.0	100.0	100.0	100.0	0.0	0.0	0.0	0.0	0.0				
EB.28	Average compliance by works - all sizes	-	EB.28	%	I/C	100.0	100.0	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0				
EB.29	Small Sewage treatment works with ammonia consent <= 10 mg/l	-	EB.29	%	I/C	0.0	100.0	100.0	100.0	100.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0				
EB.30	Small Sewage treatment works with ammonia consent <= 5 mg/l	-	EB.30	%	I/C	0.0	100.0	92.3	100.0	100.0	100.0	100.0	100.0	0.0	0.0	0.0	0.0				

Line Ref.	Description	Ofwat Ref	WICS Reference	Units	Field Type	10	20	30	40	50	60	70	80	90	100	110	199	Total			
						Costs															
						CG	CG	CG	CG	CG	CG	CG	CG	CG	CG	CG	CG	CG	CG	CG	CG
<b>Costs</b>																					
EB.31	Direct costs for works in size band 0	-	EB.31	£000	I/C	946.976	16.642	108.411	405.194	38.665	19.080	62.583	13.967	0.000	0.735	18.641	1630.894				
EB.32	Direct costs for works in size band 1	T17f. L1	EB.32	£000	I/C	697.461	49.495	368.353	582.606	48.982	14.090	147.031	9.823	0.000	0.000	9.532	1927.373				
EB.33	Direct costs for works in size band 2	T17f. L2	EB.33	£000	I/C	568.085	104.968	383.507	697.959	60.978	167.920	131.216	63.612	0.000	0.000	0.000	2178.245				
EB.34	Direct costs for works in size band 3	T17f. L3	EB.34	£000	I/C	720.175	291.821	1733.329	1780.842	393.711	247.824	575.939	145.096	0.000	0.000	33.434	5922.171				
EB.35	Direct costs for works in size band 4	T17f. L4	EB.35	£000	I/C	0.000	576.606	3950.888	2151.484	564.883	530.415	559.195	104.627	186.147	23.215	52.024	8699.484				
EB.36	Direct costs for works in size band 5	T17f. L5	EB.36	£000	I/C	0.000	91.423	3496.056	156.015	1062.216	316.837	265.717	215.582	0.000	0.000	0.000	5603.846				
EB.37	Direct costs for works in size band 6 (large works)	T17f. L6	EB.37	£000	I/C	0.000	0.000	9642.468	525.248	840.974	307.599	226.987	0.000	0.000	0.000	0.000	11543.276				
EB.38	Direct costs for all sewage treatment works	T17f. L7	EB.38	£000	C	2932.697	1130.955	19683.012	6299.348	3010.409	1603.765	1968.688	552.707	186.147	57.384	80.197	37505.289				
EB.39	General and support expenditure	T17f. L12	EB.39	£000	I/C	667.133	367.209	4,054.306	2,196.426	551.407	423.575	646.532	149.672	34.893	20.044	10.887	9122.084				
EB.40	Functional expenditure	T17f. L13	EB.40	£000	C	3599.830	1498.164	23737.318	8495.774	3561.816	2027.340	2615.200	702.379	221.040	77.428	91.084	46627.373				
EB.41	Power costs	T17f. L10	EB.41	£000	I/C	373.317	303.439	9574.194	1621.121	1683.185	702.424	539.002	168.984	47.205	10.399	10.591	15033.861				
EB.42	Service charges SEPA	T17f. L11	EB.42	£000	I/C	1610.193	263.732	2572.644	1266.686	284.451	178.563	394.541	78.090	66.816	22.564	50.783	6789.063				

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**SECTION E: OPERATING COSTS AND EFFICIENCY**  
**Table E9: Large Sewage Treatment Works Information Database**

Line Ref.	Description	Ofwat Ref	WICS Reference	Units	Field Type	10	20	30	40	50	60	70	80	90
						1	2	3	4	5	6	7	8	9
<b>Works Size</b>						STW000011	STW001979	STW000033	STW000085	STW000125	STW001975	STW000218	STW000222	STW003728
E9.0	Name	T17b, L1	E9.0	Name	I	Allers South	Alloa West	Ardoch West	Bothwellbank South	Carbarns South	Dalderse West	Daldowie South	Dalmarnock West	Dunbar South
E9.0a	Name of operational area	-	-	Name	I									
E9.1	Population equivalent of total load received	T17b, L2	E9.5	000	I	42 B3	49 B3	60 B3	25 B3	47 B3	94 B3	270 B3	398 B3	25 B3
<b>Compliance</b>														
E9.2	Suspended solids consent	T17b, L3	E9.11	mg/l	I	100 A1	100 A1	100 A1	100 A1	100 A1	100 A1	100 A1	100 A1	100 A1
E9.3	BOD consent	T17b, L4	E9.12	mg/l	I	20 A1	75 A1	75 A1	8 A1	15 A1	20 A1	15 A1	25 A1	20 A1
E9.4	COD consent	T17b, L5	E9.13	mg/l	I	125 A1	125 A1	125 A1	125 A1	125 A1	125 A1	125 A1	125 A1	125 A1
E9.5	Ammonia consent	T17b, L6	E9.14	mg/l	I	5 A1	30 A1	0 A1	13 A1	2 A1	25 A1	5 A1	11 A1	4 A1
E9.6	Phosphate consent	T17b, L7	E9.15	mg/l	I	0 N	0 N	0 N	0 N	0 N	0 N	0 N	0 N	0 N
E9.7	Compliance with effluent consent standard	-	E9.16	%	I	96 A1	100 A1	98 A1	100 A1	100 A1	100 A1	99 A1	100 A1	100 A1
<b>Treatment Works Category</b>														
E9.8	Primary	T17b, L8	E9.19	1/0	I	1 A1	1 A1	1 A1	1 A1	1 A1	1 A1	1 A1	1 A1	0 N
E9.9	Secondary activated sludge	T17b, L8	E9.20	1/0	I	1 A1	1 A1	1 A1	1 A1	1 A1	1 A1	1 A1	1 A1	1 A1
E9.10	Secondary biological	T17b, L8	E9.21	1/0	I	1 A1	0 N	0 N	0 N	0 N	0 N	0 N	0 N	0 N
E9.11	Tertiary A1	T17b, L8	E9.22	1/0	I	0 N	0 N	0 N	0 N	0 N	0 N	1 A1	0 N	0 N
E9.12	Tertiary A2	T17b, L8	E9.23	1/0	I	0 N	0 N	0 N	0 N	0 N	0 N	0 N	0 N	0 N
E9.13	Tertiary B1	T17b, L8	E9.24	1/0	I	0 N	0 N	0 N	0 N	0 N	0 N	0 N	0 N	0 N
E9.14	Tertiary B2	T17b, L8	E9.25	1/0	I	0 N	0 N	0 N	0 N	0 N	0 N	0 N	0 N	0 N
<b>Works Cost</b>														
E9.15	Power costs	T17b, L10	E9.34	£'000	I	147 A2	262 A2	116 A2	103 A2	150 A2	65 A2	663 A2	810 A2	198 A2
E9.16	Service charges SEPA	T17b, L11	E9.37	£'000	I	23 A2	21 A2	35 A2	7 A2	45 A2	197 A2	55 A2	56 A2	6 A2
E9.17	Total direct costs	T17b, L9	E9.39	£'000	I	288.0 A2	420.6 A2	523.9 A2	185.6 A2	259.0 A2	398.5 A2	841.0 A2	959.5 A2	307.6 A2
E9.18	General and support expenditure	T17b, L12	E9.40	£'000	I	62 A2	69 A2	125 A2	37 A2	12 A2	32 A2	35 A2	45 A2	69 A2
E9.19	Functional Expenditure	T17b, L13	E9.41	£'000	C	350 A2	489 A2	649 A2	223 A2	271 A2	431 A2	876 A2	1004 A2	377 A2
E9.20	Estimated terminal pumping station costs	T17b, L14	E9.42	£'000	I	0 N	1 A2	109 A2	31 A2	0 N	0 N	0 N	243 A2	59 A2
E9.21	Estimated sludge costs	T17b, L15	E9.43	£'000	I	0 N	0 N	0 N	0 N	0 N	0 N	0 N	0 N	0 N

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**SECTION E: OPERATING COSTS AND EFFICIENCY**

**Table E10: Sludge Treatment and Disposal**

Line Ref.	Description	Ofwat Ref J07	WICS Reference AR 06	Units	Field Type	10	11	12	20	30	31	32	50	199									
						Disposal category										Total							
						Farmland Untreated	Farmland Conventional	Farmland Advanced	Incineration	Landfill	Composted	Land Reclamation	Other										
						CG	CG	CG	CG	CG	CG	CG	CG	CG									
<b>Sludge volumes</b>																							
E10.1	Resident population served	T17g, L1	E10.1	000	I	0.0	AX	336.4	C3	990.7	C3	1039.6	C3	37.0	C3	0.0	C3	255.0	C3	0.0	C3	2658.850	C3
E10.2	Amount of sewage sludge	T17g, L2	E10.2	ttds	I	0.0	AX	4.3	B4	12.1	B4	0.0	C3	0.4	B4	0.0	B4	3.1	AX	0.0	AX	19.9	B4
<b>Sludge Treatment and Disposal costs</b>																							
E10.3	Sludge Treatment direct costs	T17g, L3	-	£000	I	0.000	BX	1729.913	B2	4804.146	B2	0.000	BX	319.585	B2	0.000	BX	1430.297	B2	0.000	BX	8283.941	B2
E10.4	Sludge disposal direct costs	T17g, L4	-	£000	I	0.000	BX	183.019	B2	1271.459	B2	0.000	BX	296.476	B2	0.000	BX	397.243	B2	0.000	BX	2148.197	B2
E10.5	Sludge treatment & disposal: Power costs	T17g, L6	E10.4	£000	I	0.000	BX	570.810	B2	848.308	B2	0.000	BX	40.330	B2	0.000	BX	469.706	B2	0.000	BX	1929.154	B2
E10.6	Sludge treatment & disposal: Service charges SFPA	T17g, L7	E10.7	£000	I	0.000	BX	13.324	B2	32.665	B2	0.000	BX	4.914	B2	0.000	BX	10.406	B2	0.000	BX	61.309	B2
E10.7	Sludge treatment & disposal: Total direct costs	T17g, L5	E10.9	£000	C	0.000	B2	1912.932	B2	6075.605	B2	0.000	B2	616.061	B2	0.000	B2	1827.540	B2	0.000	B2	10432.138	B2
E10.8	Sludge treatment and disposal: General and support expenditure	T17g, L8	E10.10	£000	I	0.000	BX	490.309	B2	1479.530	B2	0.000	BX	251.382	B2	0.000	BX	502.400	B2	0.000	BX	2723.621	B2
E10.9	Sludge Treatment and disposal: Functional Expenditure	T17g, L9	E10.11	£000	C	0.000	BX	2403.241	B2	7555.135	B2	0.000	BX	867.443	B2	0.000	BX	2329.940	B2	0.000	B2	13155.759	B2

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