

ANNUAL RETURN INFORMATION REQUIREMENT

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

Line Ref.	Description	Ofwat Ref R 07	WICS Reference AR 06	Units	Field Type	10	20	30	40	50	60	70	80	90	100	110	120	130	140
						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	AVSE CG
Project Data						R. William	Inverness	Hatton	Nigg	Persley	Peterhead	Fraserburgh	Lossiemouth	Buckie	Banff/Macduff	Seafield	Newbridge	East Calder	Blackburn
E3.0	Name	-	E3.0		I	7.8	55.8	185.6	201.8	30.2	22.2	17.2	33.8	12.7	10.2	563.1	22.7	70.7	8.4
E3.1	Annual average resident connected population	-	E3.1	000	I/C	0.8	2.0	2.0	2.9	0.4	0.6	0.3	0.8	0.5	0.3	7.8	0.2	0.3	0.1
E3.2	Annual average non-resident connected population	-	E3.2	000	I/C	19.5	82.9	230.9	266.2	38.3	36.6	31.5	41.9	22.4	12.1	766.8	32.7	125.8	12.3
E3.3	Population equivalent of total load received	-	E3.5	000	I/C														
Scope of Works						1	1	1	1	1	1	1	1	1	1	1	1	1	1
E3.4	Sewerage	-	E3.7	1/0	I	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	0
E3.5	Sewage Treatment	-	E3.8	1/0	I	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	1
E3.6	Sewage Treatment	-	E3.9	1/0	I	0	1	1	1	0	0	0	1	0	0	1	1	0	0
E3.7	Terminal Pumping Station	-	E3.10	1/0	I	1	1	1	0	0	0	1	1	1	1	1	1	0	0
E3.8	Other (state details)	-	E3.11	1/0	I	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sewage Treatment - Effluent Consent Standard						100	100	100	0	100	0	0	100	100	100	375	100	100	100
E3.9	Suspended solids consent	-	E3.17	mg/l	I	A1	A1	A1	N	A1	N	N	A1	A1	A1	A1	A1	A1	10
E3.10	BOD consent	-	E3.18	mg/l	I	25	25	25	25	25	25	25	25	25	25	25	25	15	15
E3.11	COD consent	-	E3.19	mg/l	I	125	125	125	125	125	125	125	125	125	125	125	125	125	125
E3.12	Ammonia consent	-	E3.20	mg/l	I	0	0	50	0	35	0	0	0	0	0	0	0	7	2
E3.13	Phosphate consent	-	E3.21	mg/l	I	0	0	0	0	2	0	0	0	0	0	0	0	0.5	0.5
E3.14	Compliance with effluent consent standard	-	E3.22	%	I	100	95	100	98	97	100	100	100	100	100	100	98	98	98
Treatment Works Category						1	1	1	1	0	1	1	1	0	0	0	1	1	1
E3.15	Primary	-	E3.25	1/0	I	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	0
E3.16	Secondary activated sludge	-	E3.26	1/0	I	0	0	0	0	0	0	0	0	0	0	0	0	0	1
E3.17	Secondary biological	-	E3.27	1/0	I	0	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	0	0
E3.19	Tertiary A2	-	E3.29	1/0	I	0	1	0	0	1	0	1	0	0	1	1	1	1	0
E3.20	Tertiary B1	-	E3.30	1/0	I	0	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	1
Sewerage Data						4.3	10.7	40.7	35.7	0.4	1.0	1.8	31.6	18.5	9.5	44.0	3.1	0	0
E3.22	Total length of sewer	-	E3.47	km	I	B3	B3	B3	B3	B3	B3	B3	B3	B3	B3	B3	B3	B3	0
E3.23	Length of critical sewer	-	E3.48	km	I	4	4	4	4	0	1	1	31.6	18.5	9.5	44.0	3.1	0	0
E3.24	Number of pumping stations	-	E3.49	nr	I	A1	A1	A1	A1	N	N	A1	7	12	10	7	2	0	0
E3.25	Capacity of pumping stations (m ³ /d)	-	E3.50	m ³ /day	I	65992	247622	2466582	192871	0	0	16848	236563	44240	239242	238723	27043	0	0
E3.26	Capacity of pumping stations (kw)	-	E3.51	kw	I	59	806	6618	2103	0	0	325	525	625	713	26	0	0	0
E3.27	Number of combined pumping stations	-	E3.52	nr	I	2	1	7	12	0	0	4	8	7	6	1	1	0	0
E3.28	Capacity of combined pumping stations (m ³ /d)	-	E3.53	m ³ /day	I	4821	34214	209002	96362	0	0	65232	23599	115949	116035	10109	0	0	0
E3.29	Number of stormwater pumping stations	-	E3.54	nr	I	0	2	6	2	0	0	1	1	1	1	0	0	0	0
E3.30	Capacity of stormwater pumping stations (m ³ /d)	-	E3.55	m ³ /day	I	0	209088	2105741	96509	0	0	142560	6394	56419	0	0	0	0	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	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	1	0
Sewage Treatment and Disposal Data						0	0	0	0	0	0	0	0	0	0	0	0	0	0
E3.33	Farmland Untreated	-	E3.58	ttts	I/C	N	N	N	N	N	N	N	N	N	N	N	N	N	0
E3.34	Farmland Conventional	-	E3.59	ttts	I/C	0	1.951	0.218	0.0	0.007	0	0	0	0	0	0	0	0	0
E3.35	Farmland Advanced	-	E3.60	ttts	I/C	0	0	4.358	12.627	0	0	0	2.048	0	0	4.857	1.572	0	0
E3.36	Incineration	-	E3.62	ttts	I/C	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E3.37	Landfill	-	E3.61	ttts	I/C	0	0	0	0.103	0	0	0	0.014	0	0	0.865	0	0	0
E3.38	Composted	-	E3.63	ttts	I/C	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E3.39	Land Reclamation	-	E3.64	ttts	I/C	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E3.40	Other	-	E3.65	ttts	I/C	0	0	0	0.500	0	0	0	0.546	0	0	14.889	0.886	0	0

Prepared by: Date:
 Checked by: Date:
 Authorised by: Douglas Millican Date: 14th June 2012

	150	160	170	180	190	200	210	220	230	240	250	199
	AVSE	Levenmouth	Dalmuir	Daldowie	MS	MS	MS					Total
CG	CG	CG	CG	CG	CG	CG	CG	CG	CG	CG	CG	CG

	Whitburn	Levenmouth	Dalmuir	Daldowie	Meadowhead	Stevenston	Inverclyde						
B3	11.5	119.6	407.6	0.0	188.8	70.5	76.2						2116.5
B4	0.1	0.8	3.4	0.0	2.3	0.4	0.5						26.5
B5	12.4	189.5	563.1	0.0	379.5	84.3	87.2						3036

A1	1	1	0	1	0	0	1						
A1	1	1	1	1	1	1	1						
A1	0	1	1	1	1	0	0						
A1	1	1	0	0	0	0	0						
A1	0	0	0	0	0	0	0						

A1	100	100	135	0	500	0	100						
A1	10	25	25	0	25	25	25						
A1	125	125	125	0	125	125	125						
A1	1	0	20	0	50	50	0						
A1	0.5	0	0	0	0	0	0						
A1	100	100	99	0	100	100	100						

A1	1	0	1	0	0	1	1						
A1	1	1	1	0	1	1	1						
A1	0	0	0	0	0	0	0						
A1	1	0	0	0	0	0	0						
A1	1	1	0	0	1	0	0						
A1	0	0	0	0	0	0	0						
A1	0	0	0	0	0	0	0						

N	0	8.0	0	11.8	0	0	0.9						222.0
N	0	8.0	0	11.8	0	0	0.9						222.0
N	1	8	0	1	0	0	0						
N	3888	503453	0	10320	0	0	0						
N	0	134	0	660	0	0	0						
N	0	1	0	0	0	0	0						
N	0	23328	0	0	0	0	0						
N	0	2	0	0	0	0	0						
N	0	94176	0	0	0	0	0						
N	0	5	0	0	0	0	0						
N	0	5	0	0	0	0	0						

N	0	0	0	0	0	0	0						0
N	0	0	0	0	0.092	0	0						2
N	0	0.580	0.116	0.385	2.244	0	0						29
N	0	3.333	0	50.856	4.873	0	0						59
N	0	0	0	0.366	0	0	0						1
N	0	0	0	0	0	0	0						0
N	0	0.484	1.529	0.770	2.570	0	0						22
N	0	0	0	0	0	0	0						0

ANNUAL RETURN INFORMATION REQUIREMENT

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	120													
						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													
E3a.0	Name	-	E3a.0			Rt William	Inverness	Hatton	Nigg	Persley	Peterhead	Fraserburgh	Lossie Mouth	Buckie	Banff/Macduff	Seafield	Newbridge													
Sewerage Costs																														
E3a.1	Estimated direct operating cost	-	E3a.1	£m	I/C	0.038	D6	0.126	D6	2.112	D6	1.478	D6	0.006	D6	0.065	D6	0.024	D6	0.468	D6	0.364	D6	0.267	D6	0.336	D6	0.001		
E3a.2	Rates paid by the PPP contractor	-	E3a.2	£m	I/C	-	N	-	N	-	N	-	N	-	N	-	N	-	N	-	N	-	N	-	N	-	N	-		
E3a.3	SEPA charges paid by the PPP contractor	-	E3a.3	£m	I/C	0.001	A2	-	N	0.009	A2	0.005	A2	-	N	-	N	-	N	0.002	A2	0.006	A2	0.010	A2	0.007	A2	0.001		
E3a.4	Total direct cost	-	E3a.4	£m	C	0.039	A2	0.126	A2	2.121	A2	1.483	A2	0.006	A2	0.065	A2	0.024	A2	0.470	A2	0.370	A2	0.277	A2	0.343	A2	0.002		
E3a.5	Scottish Water general & support expenditure	-	E3a.5	£m	I/C	0.001	CX	0.006	C4	0.052	C4	0.104	C4	-	CX	0.001	CX	-	CX	0.021	C4	0.008	C4	0.010	C4	0.006	C4	-		
E3a.6	Scottish Water SEPA charges	-	E3a.6	£m	I/C	-	N	-	N	-	N	-	N	-	N	-	N	-	N	-	N	-	N	-	N	-	N	-		
E3a.7	Total sewerage cost	-	E3a.7	£m	C	0.040	A2	0.132	A2	2.173	A2	1.587	A2	0.006	A2	0.066	A2	0.024	A2	0.491	A2	0.378	A2	0.287	A2	0.349	A2	0.002		
Sewage Treatment Costs																														
E3a.8	Estimated direct operating cost	-	E3a.8	£m	I/C	0.599	D6	1.259	D6	1.663	D6	1.063	D6	0.809	D6	0.528	D6	0.607	D6	0.442	D6	0.340	D6	0.378	D6	7.100	D6	1.082		
E3a.9	Rates paid by the PPP contractor	-	E3a.9	£m	I/C	0.046	B3	0.161	B3	0.233	B3	0.445	B3	0.157	B3	0.053	B3	0.083	B3	0.035	B3	0.042	B3	0.054	B3	0.906	B3	0.116		
E3a.10	SEPA charges paid by the PPP contractor	-	E3a.10	£m	I/C	0.017	A2	0.228	A2	0.113	A2	0.138	A2	0.014	A2	0.034	A2	0.034	A2	0.031	A2	0.031	A2	0.031	A2	0.138	A2	0.014		
E3a.11	Total direct cost	-	E3a.11	£m	C	0.662	A2	1.648	A2	2.009	A2	1.646	A2	0.980	A2	0.615	A2	0.724	A2	0.508	A2	0.413	A2	0.463	A2	8.144	A2	1.212		
E3a.12	Scottish Water general & support expenditure	-	E3a.12	£m	I/C	0.023	C4	0.079	C4	0.055	C4	0.131	C4	0.021	C4	0.037	C4	0.017	C4	0.025	C4	0.010	C4	0.018	C4	0.157	C4	0.016		
E3a.13	Scottish Water SEPA charges	-	E3a.13	£m	I/C	-	N	-	N	-	N	-	N	-	N	-	N	-	N	-	N	-	N	-	N	-	N	-		
E3a.14	Total sewage treatment cost	-	E3a.14	£m	C	0.685	A2	1.727	A2	2.064	A2	2.025	A2	1.001	A2	0.652	A2	0.741	A2	0.533	A2	0.423	A2	0.481	A2	8.301	A2	1.228		
E3a.15	Estimated terminal pumping cost	-	E3a.15	£m	I/C	0	M	0.012	A3	0.014	M	0	N	0	N	0.002	A3	0	M	0.003	A3	0	M	0	M	0	M	0		
Sludge Treatment and Disposal Costs																														
E3a.16	Estimated direct operating cost	-	E3a.16	£m	I/C	-	N	0.786	D6	2.672	D6	1.520	D6	-	N	-	N	-	N	1.572	D6	-	N	-	N	2.022	D6	0.638		
E3a.17	Rates paid by the PPP contractor	-	E3a.17	£m	I/C	-	N	0.080	B3	0.297	B3	0.399	B3	-	N	-	N	-	N	0.150	B3	-	N	-	N	0.242	B3	0.095		
E3a.18	SEPA charges paid by the PPP contractor	-	E3a.18	£m	I/C	-	N	0.009	A2	0.002	A2	0.004	A2	-	N	-	N	-	N	-	N	-	N	-	N	0.003	A2	0.002		
E3a.19	Total direct cost	-	E3a.19	£m	C	0.000	N	0.875	A2	2.971	A2	1.923	A2	0.000	N	0.000	N	0.000	N	1.722	A2	0.000	N	0.000	N	2.267	A2	0.735		
E3a.20	Scottish Water general & support expenditure	-	E3a.20	£m	I/C	-	N	0.554	C4	0.264	C4	0.774	C4	-	N	-	N	-	N	0.294	C4	-	N	-	N	0.038	C4	0.008		
E3a.21	Scottish Water SEPA charges	-	E3a.21	£m	I/C	-	N	-	N	-	N	-	N	-	N	-	N	-	N	-	N	-	N	-	N	-	N	-		
E3a.22	Total sludge treatment & disposal cost	-	E3a.22	£m	C	0.000	N	1.429	A2	3.235	A2	2.697	A2	0.000	N	0	N	0.000	N	2.016	A2	0.000	N	0.000	N	2.305	A2	0.743		
Total Cost Analysis																														
E3a.23	Total direct cost	-	E3a.23	£m	C	0.701	A2	2.649	A2	7.101	A2	5.052	A2	0.986	A2	0.680	A2	0.748	A2	2.700	A2	0.783	A2	0.740	A2	10.754	A2	1.949		
E3a.24	Total Scottish Water cost	-	E3a.24	£m	C	0.024	A2	0.639	A2	0.371	A2	1.257	A2	0.021	A2	0.038	A2	0.017	A2	0.340	A2	0.018	A2	0.028	A2	0.201	A2	0.024		
E3a.25	Total operating cost	-	E3a.25	£m	C	0.725	A2	3.288	A2	7.472	A2	6.309	A2	1.007	A2	0.718	A2	0.765	A2	3.040	A2	0.801	A2	0.768	A2	10.955	A2	1.973		
E3a.26	Annual charge	-	E3a.26	£m	I/C	3.563	A1	6.183	A1	21.130	A1	13.386	A1	1.971	A1	1.552	A1	1.834	A1	4.272	A1	2.528	A1	2.986	A1	19.245	B3	2.786		
E3a.27	Public sector capital equivalent value	-	E3a.27	£m	I	20.261	B3	65.413	B3	175.641	B3	96.843	B3	23.519	B3	19.369	B3	23.519	B3	43.002	B3	31.740	B3	27.644	B3	75.586	B3	10.940		
Contract Information																														
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	30		
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	30/11/29		

Prepared by: Date:
 Checked by: Date:
 Authorised by: Douglas Millican Date: 14th June 2012

130		140		150		160		170		180		190		200		210		220		230		240		250		199		
AVSE		AVSE		AVSE		Levenmouth		Dalmuir		Daldowie		MSI		MSI		MSI										Total		
CG		CG		CG		CG		CG		CG		CG		CG		CG		CG		CG		CG		CG		CG		CG

East Calder
 Blackburn
 Whitburn
 Levenmouth
 Dalmuir
 Daldowie
 Meadowhead
 Stevenston
 Inverclyde

D6	-	N		-	N		-	DX	0.134	D6	-	N		0.432	D6	-	N		-	DX																					5.851	D6		
N	-	N		-	N		-	N		-	N		-	N		-	N		-	N		-	N		-	N		-	N		-	N		-	N		-	N		-	N		0.000	N
A2	-	N		-	N		-	N		0.002	A2	-	N		-	N		-	N		-	N		-	N		-	N		-	N		-	N		-	N		-	N		0.043	A2	
	0.000			0.000			0.000			0.136			0.000			0.432			0.000			0.000			0.000			0.000			0.000			0.000			0.000			5.894	D6			
CX	-	N		-	N		-	CX	0.005	C4	-	N		0.033	C4	-	N		-	CX																				0.247	C4			
N	-	N		-	N		-	N		-	N		-	N		-	N		-	N		-	N		-	N		-	N		-	N		-	N		-	N		-	N		0.000	BX
	0.000			0.000			0.000		0.141			0.000			0.465			0.000			0.000			0.000			0.000			0.000			0.000			0.000			6.141	D6				

D6	0.470	D6	0.285	D6	0.383	D6	3.353	D6	1.989	D6	-	N		1.843	D6	1.045	D6	0.925	D6																									26.163	D6		
B3	0.126	B3	0.071	B3	0.045	B3	0.190	B3	0.702	B3	-	N		0.302	B3	0.223	B3	0.091	B3																									4.081	B3		
A2	0.129	A2	0.014	A2	0.016	A2	0.138	A2	-	N		-	N		-	N		-	N		-	N		-	N		-	N		-	N		-	N		-	N		-	N		-	N		1.120	A2	
	0.725			0.370			0.444			3.681				2.691			0.000		2.145			1.268			1.016			0.000			0.000			0.000			0.000			0.000			31.364	D6			
C4	0.009	C4	0.005	C4	0.006	C4	0.162	C4	0.073	C4	-	N		0.534	C4	0.181	C4	0.092	C4																								1.651	C4			
N	-	N		-	N		-	N		-	N		-	N		-	N		-	N		-	N		-	N		-	N		-	N		-	N		-	N		-	N		-	N		1.232	A2
	0.734			0.375			0.450			3.843				3.150			0.000		3.065			1.642			1.127			0.000			0.000			0.000			0.000			0.000			34.247	D6			
M	-	N		-	N		-	M	-	N		-	M	-	N		-	M	-	N		-	M	-	N		-	M	-	N		-	M	-	N		-	M	-	N		-	M	-	0.369	A3	

D6	-	N		-	N		-	N		1.356	D6	0.915	A3	10.994	D6	1.209	D6	-	N		-	N		-	N		-	N		-	N		-	N		-	N		-	N		-	N		-	N		-	N		23.684	D6	
B3	-	N		-	N		-	N		0.074	B3	-	N		0.388	A2	0.196	B3	-	N		-	N		-	N		-	N		-	N		-	N		-	N		-	N		-	N		-	N		-	N		1.921	B3
A2	-	N		-	N		-	N		0.011	A2	-	N		0.024	A2	0.011	A2	-	N		-	N		-	N		-	N		-	N		-	N		-	N		-	N		-	N		-	N		-	N		0.066	A2
	0.000			0.000			0.000			1.441			0.915			11.406			1.416			0.000			0.000			0.000			0.000			0.000			0.000			0.000			0.000			25.671	D6						
C4	-	N		-	N		-	N		0.059	C4	0.478	A3	2.466	C4	0.028	C4	-	N		-	N		-	N		-	N		-	N		-	N		-	N		-	N		-	N		-	N		-	N		4.963	C4	
N	-	N		-	N		-	N		-	N		-	N		-	N		-	N		-	N		-	N		-	N		-	N		-	N		-	N		-	N		-	N		-	N		-	N		0.000	N
	0.000			0.000			0.000			1.500			1.393			13.872			1.444			0.000			0.000			0.000			0.000			0.000			0.000			0.000			0.000			30.634	D6						

	0.725			0.370			0.444			5.258			3.606			11.838			3.561			1.268			1.016			0.000			0.000			0.000			0.000			0.000			0.000			62.929	D6	
	0.009			0.005			0.006			0.226			0.937			2.499			0.948			0.374			0.111			0.000			0.000			0.000			0.000			0.000			0.000			8.093	C4	
	0.734			0.375			0.450			5.484			4.543			14.337			4.509			1.642			1.127			0.000			0.000			0.000			0.000			0.000			0.000			71.022	D6	
B3	1.519	B3		0.760	B3		1.013	B3		12.209	A1		10.440	A1		19.960	A1		7.716	A1		4.141	A1		3.699																					142.893	A1	
B3	5.967	B3		2.984	B3		3.978	B3		37.785	B3		65.596	B3		99.385	B3		68.639	B3		19.448	B3		18.761																						936.020	B3

A1										30	A1																																												
A1										30/11/29	A1																																												

ANNUAL RETURN INFORMATION REQUIREMENT

SECTION E : OPERATING COSTS AND EFFICIENCY

Table E4: Water Resources and Treatment

Line Ref.	Description	Ofwat Ref J.R 07	WICS Reference AR 06	Units	Field Type
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

Prepared by: Date:
 Checked by: Date:
 Authorised by: ...Geoff Aitkenhead..... Date: ...14th June 2012.....

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	28	28					108	82,396	310,023	429,808	593,174					1,415,401
33	11	0	2					46	16,730	8,517	0,000	6,866					32,112
50	17	1	14					82	11,664	152,004	0,017	220,047					383,732
24	27	16	1					68	12,079	23,012	27,017	2,076					64,184
140	74	45	45	0	0	0	0	304	122,869	493,556	456,842	822,163	0,000	0,000	0,000	0,000	1,895,430
0	0	0	0					0	0,000	0,000	0,000	0,000					0,000
0	0	0	0					0	0,000	0,000	0,000	0,000					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	Proportion of Own Source Output
0.043	0.164	0.227	0.313	0.000	0.000	0.000	0.000	0.747
0.009	0.004	0.000	0.004	0.000	0.000	0.000	0.000	0.017
0.006	0.080	0.000	0.116	0.000	0.000	0.000	0.000	0.202
0.006	0.012	0.014	0.001	0.000	0.000	0.000	0.000	0.034
0.065	0.260	0.241	0.434	0.000	0.000	0.000	0.000	1.000

10	20
Total	CG
1,018	C3
26.7	C4

Resource and treatment - Costs								120	
Area 1	Area 2	Area 3	Area 4	Area 5	Area 6	Area 7	Area 8	Total	CG
1,980	3,014	1,952	2,133					9,079	A2
0,611	0,640	0,697	0,827					2,775	A2
8,881	10,943	8,513	12,775					41,112	A2
3,426	3,214	2,342	3,237					12,218	A2
12,306	14,157	10,855	16,012	0,000	0,000	0,000	0,000	53,330	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
45	B2	35,976	B3	0.019	2,396	A2
7	B2	0,618	B3	0.000	0,230	A2
27	B2	489,454	B3	0.258	8,203	A2
156	B2	1,139,097	B3	0.601	36,890	A2
37	B2	230,285	B3	0.121	5,611	A2
272	B2	1,895,430	B3	1.000	53,330	A2

Nr of Works		Prop'n of D.I.		Operating Costs	
nr	CG	Prop'n (0-1)	CG	£m	CG
153	B2	0.012	C3	8,552	A2
25	B2	0.013	C3	3,577	A2
28	B2	0.035	C3	5,393	A2
17	B2	0.044	C3	4,804	A2
20	B2	0.119	C3	9,136	A2
12	B2	0.151	C3	7,418	A2
10	B2	0.242	C3	6,644	A2
5	B2	0.172	C3	4,400	A2
2	B2	0.212	C3	3,406	A2
272	B2				
		1	C3		
				53,330	A2

299
CG

B3
B3
B3
B3
A1
A1

ANNUAL RETURN INFORMATION REQUIREMENT

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 ²	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 ³ /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, 13	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: ...14th June 2012.....

Report Year 2011-12												199					
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												
269.823	A2	1293.351	A2	1725.195	A2	1789.506	A2										5077.9	A2
151.085	B2	663.238	B2	850.627	B2	916.558	B2										2581.508	B2
48.974	B3	215.886	B3	273.477	B3	288.299	B3										826.636	B2
20.978	B4	107.557	B4	105.604	B4	194.670	B4										428.809	B4
35208.130	A1	20368.092	A1	15475.460	A1	8744.388	A1										79796.070	A1
135	A1	63	A1	51	A1	61	A1										310	A1

0.520	A2	2.475	A2	1.582	A2	2.157	A2										6.734	A2
0.000	A2	0.000	A2	0.000	A2	0.000	A2										0.000	A2
5.931	A2	12.802	A2	13.522	A2	14.554	A2										46.809	A2
2.684	A2	4.952	A2	4.945	A2	5.302	A2										17.883	A2
8.615	A2	17.754	A2	18.467	A2	19.856	A2	0.000		0.000		0.000		0.000		0.000	64.692	A2

6163.86	B2	11407.10	B2	9826.91	B2	7873.99	B2										35271.86	B2
1147.64	B2	2350.89	B2	2749.61	B2	2317.43	B2										8565.57	B2
172.21	B2	953.06	B2	1152.84	B2	775.85	B2										3053.96	B2
7.88	B2	137.75	B2	294.03	B2	388.77	B2										828.43	B2
7491.59	B2	14848.80	B2	14023.39	B2	11356.04	B2	0.00		0.00		0.00		0.00		0.00	47719.82	B2
801.54	B2	2766.41	B2	5130.35	B2	4654.02	B2										13352.32	B2
180.09	B2	1090.81	B2	1446.87	B2	1164.62	B2	0.00		0.00		0.00		0.00		0.00	3882.39	B2
1349	B3	1882	B3	2556	B3	2970	B3										8757	B3
53.095	B3	110.535	B3	210.206	B3	286.849	B3										660.685	B3
220	B2	1050	B2	184	B2	88	B2										1542	B3

165	B2	169	B2	125	B2	112	B2										571	B2
151353	C4	617758	C4	568001	C4	992690	C4										2329803	C4
2827.4	C3	12317.9	C3	9859.0	C3	16442.0	C3										41446.4	C3
22.06	C4	33.95	C4	39.63	C4	24.97	C4										30.30	C4

428	B2	487	B2	258	B2	231	B2										1404	B2
250.522	B2	1167.701	B2	1017.339	B2	1395.938	B2										3831.500	B2

4	B2	6	B2	6	B2	5	B2										21	B2
0.587	B2	4.067	B2	12.544	B2	14.891	B2										32.089	B2

ANNUAL RETURN INFORMATION REQUIREMENT

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	Report Year 2011-12															
						Area 1		Area 2		Area 3		Area 4		Area 5		Area 6		Area 7		Area 8	
						CG	CG	CG	CG	CG	CG	CG	CG	CG	CG	CG	CG	CG	CG		
Area Data																					
E7.0	Name	-	E7.0	Name	I																
E7.1	Annual average resident connected population	T17a, L1	E7.1	000	I/C	212.9	B2	1190.6	B2	1605.4	B2	1778.4	B2							4787.3	B2
E7.2	Annual average non-resident connected population	T17a, L2	E7.2	000	I/C	17.3	C4	23.9	C4	22.2	C4	16.4	C4							79.7	C4
E7.3	Volume of sewage collected (daily average)	T17a, L3	E7.3	MI/d	I/C	194.8	C4	686.8	C4	991.3	C4	1120.5	C4							2993.4	C4
E7.4	Total connected properties	T17a, L4	E7.4	nr	I/C	118922	B2	613164	B2	829159	B2	898505	B2							2459750	B2
E7.5	Area of Sewerage District	T17a, L5	E7.5	km ²	I/C	35208	A1	20368	A1	15475	A1	8744	A1							79796	A1
E7.6	Drained Area	-	E7.6	km ²	I/C	148	A2	502	A2	646	A2	596	A2							1892	A2
E7.7	Annual Precipitation	-	E7.7	mm	I	1443	A2	845	A2	1077	A2	1366	A2							1135	A2
Sewerage Data																					
E7.8	Total length of sewer	T17a, L6	E7.8	km	I/C	4077	C4	13190	C4	16754	C4	16636	C4							50658	C4
E7.9	Total length of lateral sewer	-	E7.9	km	I/C	966	C4	3958	C4	5382	C4	6223	C4							16528	C4
E7.10	Length of combined sewer	-	E7.10	km	I/C	1468	B2	4354	B2	5453	B2	6191	B2							17467	B2
E7.11	Length of separate stormwater sewer	-	E7.11	km	I/C	562	B2	2273	B2	3096	B2	2182	B2							8113	B2
E7.12	Length of sewer > 1000 mm diameter	-	E7.12	km	I/C	17	B2	168	B2	283	B2	398	B2							865	B2
E7.13	Length of Critical Sewer	-	E7.13	km	I/C	899	B3	2948	B3	3854	B3	3781	B3							11482	B3
E7.14	Sewer Collapses	-	E7.14	nr	I/C	730	B5	810	B5	529	B5	617	B5							2686	B5
Sewerage costs																					
E7.15	Power	T22, L2	E2.2	£m	I/C	1	A2	2	A2	1	A2	3	A2							6	A2
E7.16	Service charges by SEPA	T22, L7	E2.5	£m	I/C	0	A2	0	A2	0	A2	0	A2							1	A2
E7.17	Total direct costs	T22, L9	E2.7	£m	C	3	A2	7	A2	8	A2	9	A2							27	A2
E7.18	General and support costs	T22, L10	E2.8	£m	I/C	1.5	A2	3.0	A2	3.2	A2	3.0	A2							11	A2
E7.19	Functional expenditure	T22, L11	E2.9	£m	C	5	A2	10	A2	11	A2	12	A2							38	A2
Pumping Stations																					
E7.20	Total number of pumping stations	-	E7.15	nr	I/C	486	B3	761	B3	416	B3	389	B3							2052	B3
E7.21	Total capacity of pumping stations (m ³ /d)	-	E7.16	m ³ /d	I/C	1455094	C4	3226453	C4	2824563	C4	4556644	C4							12062753	C4
E7.22	Total capacity of pumping stations (kw)	-	E7.16a	Kw	I/C	8631	C4	24260	C4	13010	C4	28368	C4							74269	C4
E7.23	Average pumping head	-	E7.17	m	I	47.1	C5	22.6	C5	18.4	C5	23.9	C5							29.7	C5
E7.24	Total number of combined pumping stations	-	E7.18	nr	I/C	284	B3	492	B3	258	B3	267	B3							1301	B3
E7.25	Total capacity of combined pumping stations	-	E7.19	m ³ /d	I/C	1106106	C4	2497517	C4	2363769	C4	3907669	C4							9875061	C4
E7.26	Total number of stormwater pumping stations	-	E7.20	nr	I/C	13	B3	15	B3	3	B3	5	B3							36	B3
E7.27	Total capacity of stormwater pumping stations	-	E7.21	m ³ /d	I/C	69393	C4	169963	C4	8990	C4	23553	C4							271899	C4
E7.28	Number of combined sewer overflows	-	E7.22	nr	I/C	372	A3	863	A3	915	A3	995	A3							3145	A3
E7.29	Number of combined sewer overflows (screened)	-	E7.23	nr	I/C	132	A3	194	A3	285	A3	309	A3							920	A3
Sewage treatment works																					
E7.30	Number of sewage treatment works	-	-	nr	I/C	575	A3	604	A3	499	A3	234	A3							1912	A3
E7.31	Total Load	-	-	kg BOD/day	I/C	12834	B3	44987	B3	72678	B3	94919	B3							225418	B3
Sewage treatment costs																					
E7.32	Power	T22, L2	E2.2	£m	I/C	1	A2	3	A2	4	A2	4	A2							12	A2
E7.33	Service charges by SEPA	T22, L7	E2.5	£m	I/C	1	A2	2	A2	2	A2	2	A2							6	A2
E7.34	Total direct costs	T22, L9	E2.7	£m	I/C	5	A2	8	A2	11	A2	10	A2							34	A2
E7.35	General and support costs	T22, L10	E2.8	£m	I/C	1.7	A2	2.2	A2	2.6	A2	2.3	A2							9	A2
E7.36	Functional expenditure	T22, L11	E2.9	£m	I/C	7	A2	10	A2	13	A2	12	A2							43	A2

Prepared by: Date:
 Checked by: Date:
 Authorised by: ...Geoff Aitkenhead..... Date: ...14th June 2012.....

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	Treatment Category														Total			
						Septic Tanks		Primary		Sec Activated Sludge		Sec biological		Tertiary A1		Tertiary A2		Tertiary B1			Tertiary B2		Sea Preliminary
						CG	CG	CG	CG	CG	CG	CG	CG	CG	CG	CG	CG	CG	CG	CG	CG	CG	CG
Numbers																							
EB.1	Size Band 0	-	EB.1	nr	I/C	987	13	17	94	4	2	9	4	1	0	33	1164						
EB.2	Size Band 1	T17c. L1	EB.2	nr	I/C	118	10	22	48	4	2	9	2	1	0	10	226						
EB.3	Size Band 2	T17c. L2	EB.3	nr	I/C	59	8	19	48	2	4	8	4	2	0	2	156						
EB.4	Size Band 3	T17c. L3	EB.4	nr	I/C	26	15	38	62	7	3	21	4	2	0	3	181						
EB.5	Size Band 4	T17c. L4	EB.5	nr	I/C	0	7	45	38	8	3	10	2	9	2	126							
EB.6	Size Band 5	T17c. L5	EB.6	nr	I/C	0	1	22	2	5	3	2	1	0	0	36							
EB.7	Size Band 6 (Large Works)	T17c. L6	EB.7	nr	I/C	0	0	18	1	1	1	1	0	0	0	23							
EB.8	Total Sewage Treatment Works	T17c. L7	EB.8	nr	C	1190	54	181	293	31	18	60	17	15	2	1912							
EB.9	Small Sewage treatment works with ammonia consent 5 - 10 mg/l	T17c. L8	EB.9	nr	I/C	0	0	12	30	4	0	5	2	0	0	53							
EB.10	Small Sewage treatment works with ammonia consent < = 5 mg/l	T17c. L9	EB.10	nr	I/C	0	0	13	12	13	1	11	3	0	0	53							

Loading (average daily load)																				Total excluding Septic Tanks
EB.11	Size Band 0	-	EB.11	kg BOD/day	I/C	1555	38	66	244	18	7	28	5	2	0	67	473			
EB.12	Size Band 1	T17d. L1	EB.12	kg BOD/day	I/C	1212	108	252	509	38	16	108	29	10	0	99	1168			
EB.13	Size Band 2	T17d. L2	EB.13	kg BOD/day	I/C	1317	198	463	1103	50	84	183	83	54	0	42	2258			
EB.14	Size Band 3	T17d. L3	EB.14	kg BOD/day	I/C	1602	998	2712	4341	468	238	1247	337	116	0	224	10681			
EB.15	Size Band 4	T17d. L4	EB.15	kg BOD/day	I/C	0	1976	14791	10572	2270	865	3041	366	1941	473	275	36570			
EB.16	Size Band 5	T17d. L5	EB.16	kg BOD/day	I/C	0	730	19139	1653	4575	2020	2317	754	0	0	0	31187			
EB.17	Size Band 6 (large works)	T17d. L6	EB.17	kg BOD/day	I/C	0	0	109970	3742	16182	2038	1509	0	0	0	3954	137395			
EB.18	Total Load Received	T17d. L7	EB.18	kg BOD/day	C	5686	4048	147393	22163	23601	5267	8432	1574	2123	473	4659	219733			
EB.19	Small Sewage treatment works with ammonia consent 5 - 10 mg/l	T17d. L8	EB.19	kg BOD/day	I/C	0	0	3151	2258	1903	0	247	109	0	0	7668				
EB.20	Small Sewage treatment works with ammonia consent < = 5 mg/l	T17d. L9	EB.20	kg BOD/day	I/C	0	0	4453	1483	1809	645	2691	1120	0	0	12202				

Compliance																			
EB.21	Size Band 0	-	EB.21	%	I	100.0	94.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	0.0	100.0			
EB.22	Size Band 1	-	EB.22	%	I/C	90.0	95.5	100.0	100.0	50.0	88.9	50.0	100.0	0.0	100.0				
EB.23	Size Band 2	-	EB.23	%	I/C	100.0	100.0	100.0	50.0	100.0	100.0	100.0	100.0	0.0	100.0				
EB.24	Size Band 3	-	EB.24	%	I/C	93.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	0.0	100.0				
EB.25	Size Band 4	-	EB.25	%	I/C	100.0	95.6	97.4	100.0	100.0	90.0	100.0	100.0	100.0	100.0				
EB.26	Size Band 5	-	EB.26	%	I/C	0.0	100.0	100.0	100.0	100.0	100.0	100.0	0.0	0.0					
EB.27	Size Band 6 (large works)	-	EB.27	%	I/C	0.0	100.0	100.0	100.0	100.0	100.0	0.0	0.0	0.0					
EB.28	Average compliance by works - all sizes	-	EB.28	%	I/C	94.4	97.8	99.7	96.8	94.4	96.7	94.1	100.0	100.0					
EB.29	Small Sewage treatment works with ammonia consent 5 - 10 mg/l	-	EB.29	%	I/C	0	100	100	100	0	80	100	0	0					
EB.30	Small Sewage treatment works with ammonia consent < = 5 mg/l	-	EB.30	%	I/C	0.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	0.0					

Costs																				Total
EB.31	Direct costs for works in size band 0	-	EB.31	£000	I/C	842,298	23,362	169,949	392,574	17,863	5,877	43,860	22,334	0,000	0,000	21,030	1,539,147			
EB.32	Direct costs for works in size band 1	T17f. L1	EB.32	£000	I/C	624,214	68,657	305,730	552,951	60,321	4,799	126,624	14,638	0,843	0,000	15,636	1,774,413			
EB.33	Direct costs for works in size band 2	T17f. L2	EB.33	£000	I/C	572,916	61,031	538,181	738,484	56,412	125,753	124,396	95,364	17,480	0,000	4,086	2,334,103			
EB.34	Direct costs for works in size band 3	T17f. L3	EB.34	£000	I/C	544,527	341,781	1,619,331	1,593,583	314,485	223,895	666,142	146,843	7,755	0,000	30,353	5,488,695			
EB.35	Direct costs for works in size band 4	T17f. L4	EB.35	£000	I/C	0,000	458,664	3,695,030	2,119,387	649,138	387,971	643,096	136,206	151,735	27,729	28,061	8,297,017			
EB.36	Direct costs for works in size band 5	T17f. L5	EB.36	£000	I/C	0,000	94,360	2,997,202	1,454,52	989,726	362,491	238,397	152,834	0,000	0,000	0,000	4,980,462			
EB.37	Direct costs for works in size band 6 (large works)	T17f. L6	EB.37	£000	I/C	0,000	0,000	804,073	419,375	713,455	300,856	56,258	0,000	0,000	0,000	34,054	9564,735			
EB.38	Direct costs for all sewage treatment works	T17f. L7	EB.38	£000	C	2,583,955	1,047,855	17,366,160	5,961,806	2,801,400	1,411,642	1,898,773	568,219	177,813	27,729	133,220	33,978,572			
EB.39	General and support expenditure	T17f. L12	EB.39	£000	I/C	407,416	323,249	4,106,687	2,164,858	497,679	378,006	680,129	173,481	40,126	3,443	17,364	8,792,438			
EB.40	Functional expenditure	T17f. L13	EB.40	£000	C	2,991,371	1,371,104	21,472,847	8,126,664	3,299,079	1,789,648	2,578,902	741,700	217,939	31,172	150,584	42,771,010			
EB.41	Power costs	T17f. L10	EB.41	£000	I/C	369,180	258,047	7737,235	12,904,424	1,498,076	599,941	450,551	167,782	37,754	6,675	13,572	12,429,237			
EB.42	Service charges SPPA	T17f. L11	EB.42	£000	I/C	1,535,306	278,340	2,408,288	1,179,139	269,686	153,138	381,841	82,590	67,538	15,998	91,214	6,463,078			

Prepared by: Date:
 Checked by: Date:
 Authorised by: ...Geoff Aitkenhead... Date: ...14th June 2012.....

SECTION E : OPERATING COSTS AND EFFICIENCY
Table E10: Sludge Treatment and Disposal

Line Ref.	Description	Ofwat Ref J.R 07	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	
Sludge volumes																
E10.1	Resident population served	T17g, L1	E10.1	000	I	0.0	509.1	725.7	1233.9	46.0	19.2	92.4	0.2	2626.6		
E10.2	Amount of sewage sludge	T17g, L2	E10.2	ttds	I	0.0	5.5	13.5	0.0	0.5	0.4	0.1	0.0	20.0		
Sludge Treatment and Disposal costs																
E10.3	Sludge Treatment direct costs	T17g, L3	-	£000	I	0.000	2832.508	4309.788	0.000	563.432	108.273	27.419	0.000	7841.420		
E10.4	Sludge disposal direct costs	T17g, L4	-	£000	I	0.000	436.650	1422.878	0.000	298.386	48.366	8.565	0.000	2214.845		
E10.5	Sludge treatment & disposal: Power costs	T17g, L6	E10.4	£000	I	0.000	897.405	727.738	0.000	92.157	24.175	6.306	0.000	1747.781		
E10.6	Sludge treatment & disposal: Service charges SEPA	T17g, L7	E10.7	£000	I	0.000	18.324	23.945	0.000	10.662	0.977	0.197	0.000	54.105		
E10.7	Sludge treatment & disposal: Total direct costs	T17g, L5	E10.9	£000	C	0.000	3269.158	5732.666	0.000	861.818	156.639	35.984	0.000	10056.265		
E10.8	Sludge treatment and disposal: General and support expenditure	T17g, L8	E10.10	£000	I	0.000	887.527	1445.119	0.000	407.636	47.194	5.261	0.000	2792.737		
E10.9	Sludge Treatment and disposal: Functional Expenditure	T17g, L9	E10.11	£000	C	0.000	4156.685	7177.785	0.000	1269.454	203.833	41.245	0.000	12849.002		

Prepared by: Date:
 Checked by: Date:
 Authorised by: ...Geoff Aitkenhead..... Date: ...14th June 2012.....