Section E   **Operating Costs and Efficiency**

Table 9   **Large Sewage Treatment Works Information Database**

E9.0	**Name**	**Text**	

Data Definition: Name of works.

Processing Rules: Input field.

Previous References: **Ofwat 07** | T17b, L1   **WICS 06** | E9.0

E9.1	**Population equivalent of total load received**	**000**	**0dp**

Data Definition: The average equivalent population of the total load received by the treatment works during the year.

Processing Rules: Input field.

Previous References: **Ofwat 07** | T17b, L2   **WICS 06** | E9.5

E9.2	**Suspended solids consent**	**mg/l**	**0dp**

Data Definition: The value of the effluent consent standard with respect to suspended solids. This figure must be as determined by SEPA and not a SW's own assessment of the consent standard.

Processing Rules: Input field.

Previous References: **Ofwat 07** | T17b, L3   **WICS 06** | E9.11

E9.3	BOD consent	mg/l	0dp

Data Definition: The value of the effluent consent standard with respect to the Biochemical Oxygen Demand. This figure must be as determined by SEPA and not a SW's own assessment of the consent standard.

Processing Rules: Input field.

Previous References:	Ofwat 07	T17b, L4	WICS 06	E9.12

E9.4	COD consent	mg/l	0dp

Data Definition: The value of the effluent consent standard with respect to the Chemical Oxygen Demand, if applicable at the works in question. This figure must be as determined by SEPA and not a SW's own assessment of the consent standard.

Processing Rules: Input field.

Previous References:	Ofwat 07	T17b, L5	WICS 06	E9.13

E9.5	Ammonia consent	mg/l	0dp

Data Definition: The value of the effluent consent standard with respect to ammonia, if applicable at the works in question. This figure must be as determined by SEPA and not a SW's own assessment of the consent standard.

Processing Rules: Input field.

Previous References:	Ofwat 07	T17b, L6	WICS 06	E9.14

E9.6	Phosphate consent	mg/l	0dp

Data Definition: The value of the effluent consent standard with respect to phosphorous, if applicable at the works in question. This figure must be as determined by SEPA and not a SW's own assessment of the consent standard.

Processing Rules: Input field.

Previous References:	Ofwat 07	T17b, L7	WICS 06	E9.15

E9.7	Compliance with effluent consent standard	%	0dp

Data Definition: The percentage compliance with the number of sanitary determinants tested from the effluent discharge. This should be calculated as follows: STW compliance = 1- (number of failures for sanitary determinands / total number of sanitary determinands sted).

Processing Rules: Input field.

Previous References:	Ofwat 07	-	WICS 06	E9.16

E9.8	Primary	1/0	

Data Definition: The presence of primary treatment at the works in question, as defined under the common definitions.

Processing Rules: Indicate the presence of such treatment facilities by entering '1' or otherwise '0'.

Previous References:	Ofwat 07	T17b, L8	WICS 06	E9.19

E9.9	Secondary activated sludge	1/0	

Data Definition: The presence of secondary activated sludge treatment at the works in question, as defined under the common definitions.

Processing Rules: Indicate the presence of such treatment facilities by entering '1' or otherwise '0'.

Previous References:	Ofwat 07	T17b, L8	WICS 06	E9.20

E9.10	Secondary biological	1/0	

Data Definition: The presence of secondary biological treatment at the works in question, as defined under the common definitions.

Processing Rules: Indicate the presence of such treatment facilities by entering '1' or otherwise '0'.

Previous References:	Ofwat 07	T17b, L8	WICS 06	E9.21

E9.11	**Tertiary A1**	**1/0**	

Data Definition: The presence of tertiary A1 treatment at the works in question, as defined under the common definitions (Table E8).

Processing Rules: Indicate the presence of such treatment facilities by entering '1' or otherwise '0'.

Previous References: | **Ofwat 07** | T17b, L8 | **WICS 06** | E9.22 |

E9.12	**Tertiary A2**	**1/0**	

Data Definition: The presence of tertiary A2 treatment at the works in question, as defined under the common definitions (Table E8).

Processing Rules: Indicate the presence of such treatment facilities by entering '1' or otherwise '0'.

Previous References: | **Ofwat 07** | T17b, L8 | **WICS 06** | E9.23 |

E9.13	**Tertiary B1**	**1/0**	

Data Definition: The presence of tertiary B1 treatment at the works in question, as defined under the common definitions (Table E8).

Processing Rules: Indicate the presence of such treatment facilities by entering '1' or otherwise '0'.

Previous References: | **Ofwat 07** | T17b, L8 | **WICS 06** | E9.24 |

E9.14	**Tertiary B2**	**1/0**	

Data Definition: The presence of tertiary B2 treatment at the works in question, as defined under the common definitions (Table E8).

Processing Rules: Indicate the presence of such treatment facilities by entering '1' or otherwise '0'.

Previous References: | **Ofwat 07** | T17b, L8 | **WICS 06** | E9.25 |

E9.15	Power costs		£'000	0dp

Data Definition: The total power cost for the STW included in the direct costs above. The power costs for large STWs should be consistent with those reported in table E.2. The power costs of terminal pumping may only be included if the costs of a terminal pumping station at the STW are included in E9.17 and E9.18. SW must clearly indicate whether or not such costs are included.

Processing Rules: Input field.

Previous References:	**Ofwat 07**	T17b, L10	**WICS 06**	E9.34

E9.16	Service charges SEPA		£'000	0dp

Data Definition: The total Scottish Environmental Protection Agency service charges for the STW included in the direct costs above.

Processing Rules: Input field.

Previous References:	**Ofwat 07**	T17b, L11	**WICS 06**	E9.37

E9.17	Total direct costs		£'000	1dp

Data Definition: The total direct cost of sewage treatment (as defined in Section E2) at the works in question (i.e. excluding services provided to third parties). Where the works also undertakes sludge treatment, it may not be possible to exclude the costs associated with sludge in a meaningful way at the works level. If any sludge costs are included here, this should be estimated in line E9.21. If terminal pumping costs are included here this should be estimated in E9.20.

Processing Rules: Input field.

Previous References:	**Ofwat 07**	T17b, L9	**WICS 06**	E9.39

E9.18	General and support expenditure	£'000	0dp

Data Definition: The general and support expenditure allocated to each sewage works (as defined in Section E2). Where possible, such expenditure should be attributed on a causal basis; otherwise it should be apportioned in proportion to direct costs.

Processing Rules: Input field.

Previous References:

Ofwat 07	T17b, L12	WICS 06	E9.40

E9.19	Functional Expenditure	£'000	0dp

Data Definition: The sum of direct costs and general support expenditure for each sewage works (as defined in Section E2).

Processing Rules: the sum of E9.17 and E9.18

Previous References:

Ofwat 07	T17b, L13	WICS 06	E9.41

E9.20	Estimated terminal pumping station costs	£'000	0dp

Data Definition: The estimated direct cost of terminal pumping stations pumping to the works in question, for which costs are included in E9.17 To E9.19

Processing Rules: Input field.

Previous References:

Ofwat 07	T17b, L14	WICS 06	E9.42

E9.21	Estimated sludge costs	£'000	0dp

Data Definition: If the cost of sludge treatment is included in E9.17 to E9.19 above, SW must enter an estimate of the costs involved (otherwise, zero). If sludge costs are included, SW must comment in their Return on the basis of their estimate of the costs.

Processing Rules: Input field.

Previous References:

Ofwat 07	T17b, L15	WICS 06	E9.43