Section E   **Operating Costs and Efficiency**

Table   7   **Wastewater Explanatory Factors - Sewerage and Sewage Treatment by Area**

E7.0	Name	Text	

Data Definition: Name of sub-area.

Processing Rules: Input field.

Previous References:	**Ofwat 07**	-	**WICS 06**	E7.0

E7.01	Annual average resident connected population	000	1dp

Data Definition: The annual average resident population connected to the sewerage system in each of the sewerage sub-areas.

Processing Rules: Input field. Column 'Total' is the sum of all inputs.

Previous References:	**Ofwat 07**	T17a, L1	**WICS 06**	E7.1

E7.02	Annual average non- resident connected population	000	1dp

Data Definition: Include the holiday and tourist population connected to the sewerage system in each area, averaged over the year. Do not include any allowance for daily commuters.

Processing Rules: Input field. Column 'Total' is the sum of all inputs.

Previous References:	**Ofwat 07**	T17a, L2	**WICS 06**	E7.2

E7.03	Volume of sewage collected (daily average)	Ml/d	1dp

Data Definition: Average daily volume of sewage collected in each area. The reported data should include flows to separate storm-water sewers which discharge direct to water courses.

Processing Rules: Input field. Column 'Total' is the sum of all inputs.

Previous References:

Ofwat 07	T17a, L3	WICS 06	E7.3

E7.04	Total connected properties	nr	0dp

Data Definition: Number of connected properties in each area at September of the reporting year.

Processing Rules: Input field. Column 'Total' is the sum of all inputs.

Previous References:

Ofwat 07	T17a, L4	WICS 06	E7.4

E7.05	Area of Sewerage District	km²	0dp

Data Definition: Area of sewerage district.

Processing Rules: Input field. Column 'Total' is the sum of all inputs.

Previous References:

Ofwat 07	T17a, L5	WICS 06	E7.5

E7.06	Drained Area	km²	0dp

Data Definition: The area within each wastewater district that is drained via a separate foul or combined sewer. Include within the total any area within 50 metres of an existing sewer.

Processing Rules: Input field. Column 'Total' is the sum of all inputs.

Previous References:

Ofwat 07	-	WICS 06	E7.6

E7.07	Annual Precipitation	mm	0dp

Data Definition: Estimated annual total precipitation for the report year. This should be the mean figure for the area drained. Estimates should be consistent with precipitation measured at official rain - gauges. (Information available from the Institute of Hydrology at the British Geological Survey on a calendar year basis – may require adjustment to produce report year estimates).

Processing Rules: Input field.

Previous References:	**Ofwat 07**	-	**WICS 06**	E7.7

E7.08	Total length of sewer	km	0dp

Data Definition: The length of sewer in each area, including gravity sewers, rising mains, and combined sewers. Include lateral sewers.

Processing Rules: Input field. Column 'Total' is the sum of all inputs.

Previous References:	**Ofwat 07**	T17a, L6	**WICS 06**	E7.8

E7.09	Total length of lateral sewer	km	0dp

Data Definition: The length of lateral sewer in each area.

Processing Rules: Input field. Column 'Total' is the sum of all inputs.

Previous References:	**Ofwat 07**	-	**WICS 06**	E7.9

E7.10	Length of combined sewer	km	0dp

Data Definition: The total length of combined sewer in each sewerage area. Combined sewers are those designed to convey foul and surface water flows.

Processing Rules: Input field. Column 'Total' is the sum of all inputs.

Previous References:	**Ofwat 07**	-	**WICS 06**	E7.10

E7.11	Length of separate stormwater sewer	km	0dp

Data Definition: The total length of stormwater sewer in each sewerage area. Stormwater sewers are those designed to convey surface water flows only.

Processing Rules: Input field. Column 'Total' is the sum of all inputs.

Previous References:

Ofwat 07	-	WICS 06	E7.11

E7.12	Length of sewer > 1000 mm diameter	km	0dp

Data Definition: Length of sewer in each area with an internal diameter > 1000mm.

Processing Rules: Input field. Column 'Total' is the sum of all inputs.

Previous References:

Ofwat 07	-	WICS 06	E7.12

E7.13	Length of Critical Sewer	km	0dp

Data Definition: Length of critical sewer in each area.

Processing Rules: Input field. Column 'Total' is the sum of all inputs.

Previous References:

Ofwat 07	-	WICS 06	E7.13

E7.14	Sewer Collapses	nr	0dp

Data Definition: Total number of sewer collapses in the report year in each area.

Processing Rules: Input field. Column 'Total' is the sum of all inputs.

Previous References:

Ofwat 07	-	WICS 06	E7.14

E7.15	Total number of pumping stations	nr	0dp

Data Definition: For these purposes a pumping station is defined, as an individual site (i.e. not an individual pump). Include both foul, combined and stormwater pumping stations situated at treatment works (and exclude inter-stage pumping).

Processing Rules: Input field. Column 'Total' is the sum of all inputs.

Previous References:

Ofwat 07	-	WICS 06	E7.15

E7.16	Total capacity of pumping stations (m³/d)	m³/d	0dp

Data Definition: Total peak hydraulic pumping capacity of pumping stations (as defined in E7.15).

Processing Rules: Input field. Column 'Total' is the sum of all inputs.

Previous References:

Ofwat 07	-	WICS 06	E7.16

E7.16a	Total capacity of pumping stations (kw)	Kw	0dp

Data Definition: The total capacity of pumping stations (including standby pumps) in operation during the report year for each distribution area. Include foul, combined and stormwater pumping stations. Exclude terminal sewage pumping stations situated at treatment works (and exclude interstage pumping).

Processing Rules: Input field. Column 'Total' is the sum of all inputs.

Previous References:

Ofwat 07	-	WICS 06	E7.16a

E7.17	Average pumping head	m	1dp

Data Definition: This is the average pumping head (in metres) required in each area to transfer sewage to a treatment works. The figure reported in the 'total' column is the average pumping head required in the whole of the undertaker's region. SW should report the dynamic pumping head (i.e. including friction losses) in the table.

Processing Rules: Input field.

Previous References:

Ofwat 07	-	WICS 06	E7.17

E7.18	**Total number of combined pumping stations**	**nr**	**0dp**

Data Definition: As for line E7.15 but include only pumping stations receiving combined sewage.

Processing Rules: Input field. Column 'Total' is the sum of all inputs.

Previous References:	**Ofwat 07**	-	**WICS 06**	E7.18

E7.19	**Total capacity of combined pumping stations**	**m³/d**	**0dp**

Data Definition: As for line E7.16 but include only pumping stations receiving combined sewage.

Processing Rules: Input field. Column 'Total' is the sum of all inputs.

Previous References:	**Ofwat 07**	-	**WICS 06**	E7.19

E7.20	**Total number of stormwater pumping stations**	**nr**	**0dp**

Data Definition: As for line E7.15 but include only pumping stations receiving only stormwater.

Processing Rules: Input field. Column 'Total' is the sum of all inputs.

Previous References:	**Ofwat 07**	-	**WICS 06**	E7.20

E7.21	**Total capacity of stormwater pumping stations**	**m³/d**	**0dp**

Data Definition: As for line E7.16 but include only pumping stations receiving only stormwater.

Processing Rules: Input field. Column 'Total' is the sum of all inputs.

Previous References:	**Ofwat 07**	-	**WICS 06**	E7.21

E7.22	Number of combined sewer overflows	nr	0dp

Data Definition: The total number of combined sewer overflows on the sewerage system. Those at sewage treatment works should be excluded, as should emergency overflows.

Processing Rules: Input field. Column 'Total' is the sum of all inputs.

Previous References:

Ofwat 07	-	WICS 06	E7.22

E7.23	Number of combined sewer overflows (screened)	nr	0dp

Data Definition: The total number of combined sewer overflows on the sewer system, which are screened.

Processing Rules: Input field. Column 'Total' is the sum of all inputs.

Previous References:

Ofwat 07	-	WICS 06	E7.23

E7.24	Number of sewage treatment works	nr	0dp

Data Definition: Total number of sewage treatment works per operational area.

Processing Rules: Input field. Column 'Total' is the sum of all inputs.

Previous References:

Ofwat 07	-	WICS 06	-

E7.25	Total Load	kg BOD/day	0dp

Data Definition: Total Load received at sewage treatment works (per operational area).

Processing Rules: Input field. Column 'Total' is the sum of all inputs.

Previous References:

Ofwat 07	-	WICS 06	-