Section: E **Operating Costs and Efficiency**

Table: E3 **PPP project analysis**

E3.0	Name	Text	-

Data Definition: Name of scheme.

Processing Rule: Input field

Field Type: Input

Previous References: Ofwat 07 Ref: | - | WICS 06 Ref: | E3.0 |

E3.1	Annual average resident connected population	000	1dp

Data Definition: The annual average resident population connected to the sewerage system draining to the sewage treatment works.

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

Field Type: Input/Calculated

Previous References: Ofwat 07 Ref: | - | WICS 06 Ref: | E3.1 |

E3.2	Annual average non-resident connected population	000	1dp

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

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

Field Type: Input/Calculated

Previous References: Ofwat 07 Ref: | - | WICS 06 Ref: | E3.2 |

E3.3	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 Rule: Input field. Column 'Total' is the sum of all inputs

Field Type: Input/Calculated

Previous References: Ofwat 07 Ref: | - | WICS 06 Ref: | E3.5 |

E3.4	Sewerage	1/0	-

Data Definition: Scope of project includes sewerage works.

Processing Rule: Input field

Field Type: Input

Previous References: Ofwat 07 Ref: | - | WICS 06 Ref: | E3.7 |

E3.5	Sewage treatment	1/0	-

Data Definition: Scope of project includes sewage treatment works.

Processing Rule: Input field

Field Type: Input

Previous References: Ofwat 07 Ref: | - | WICS 06 Ref: | E3.8 |

E3.6	Sludge treatment	1/0	-

Data Definition: Scope of project includes sludge treatment works.

Processing Rule: Input field

Field Type: Input

Previous References: Ofwat 07 Ref: | - | WICS 06 Ref: | E3.9 |

E3.7	Terminal pumping station	1/0	-

Data Definition: Scope of project includes terminal pumping station.

Processing Rule: Input field

Field Type: Input

Previous References: Ofwat 07 Ref: | - | WICS 06 Ref: | E3.10 |

E3.8	Other (state details)	1/0	-

Data Definition: Scope of project includes other works (give details).

Processing Rule: Input field

Field Type: Input

Previous References: Ofwat 07 Ref: [-]   WICS 06 Ref: [E3.11]

E3.9	Suspended solids consent	mg/1	0dp

Data Definition: The value of the effluent consent standard with respect to suspended solids.

Processing Rule: Input field

Field Type: Input

Previous References: Ofwat 07 Ref: [-]   WICS 06 Ref: [E3.17]

E3.10	BOD consent	mg/1	0dp

Data Definition: The value of the effluent consent standard with respect to the Biochemical Oxygen Demand5.

Processing Rule: Input field

Field Type: Input

Previous References: Ofwat 07 Ref: [-]   WICS 06 Ref: [E3.18]

E3.11	COD consent	mg/1	0dp

Data Definition: The value of the effluent consent standard with respect to the Chemical Oxygen Demand, if applicable at the works in question.

Processing Rule: Input field

Field Type: Input

Previous References: Ofwat 07 Ref: | - | WICS 06 Ref: | E3.19

E3.12	Ammonia consent	mg/1	0dp

Data Definition: The value of the effluent consent standard with respect to ammonia, if applicable at the works in question.

Processing Rule: Input field

Field Type: Input

Previous References: Ofwat 07 Ref: | - | WICS 06 Ref: | E3.20

E3.13	Phosphate consent	mg/1	0dp

Data Definition: The value of the effluent consent standard with respect to phosphorous, if applicable at the works in question.

Processing Rule: Input field

Field Type: Input

Previous References: Ofwat 07 Ref: | - | WICS 06 Ref: | E3.21

E3.14	Compliance with effluent consent standard	%	0dp

Data Definition: The percentage compliance with the number of sanitary determinands 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 tested).

Processing Rule: Input field

Field Type: Input

Previous References: Ofwat 07 Ref: - WICS 06 Ref: E3.22

E3.15	Primary	1/0	-

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

Processing Rule: Input field

Field Type: Input

Previous References: Ofwat 07 Ref: - WICS 06 Ref: E3.25

E3.16	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 Rule: Input field

Field Type: Input

Previous References: Ofwat 07 Ref: - WICS 06 Ref: E3.26

| E3.17 | Secondary biological | 1/0 | - |

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

Processing Rule: Input field

Field Type: Input

Previous References: Ofwat 07 Ref: | - | WICS 06 Ref: | E3.27 |

| E3.18 | 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 Rule: Input field

Field Type: Input

Previous References: Ofwat 07 Ref: | - | WICS 06 Ref: | E3.28 |

| E3.19 | 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 Rule: Input field

Field Type: Input

Previous References: Ofwat 07 Ref: | - | WICS 06 Ref: | E3.29 |

E3.20	**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 Rule: Input field

Field Type: Input

Previous References: Ofwat 07 Ref: [-] WICS 06 Ref: [E3.30]

E3.21	**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 Rule: Input field

Field Type: Input

Previous References: Ofwat 07 Ref: [-] WICS 06 Ref: [E3.31]

E3.22	**Total length of sewer**	**km**	**2dp**

Data Definition: The length of sewer in each area, including gravity sewers, rising mains, and combined sewers. Exclude lateral sewers which should be reported in the accompanying commentary.

Processing Rule: Input field

Field Type: Input

Previous References: Ofwat 07 Ref: [-] WICS 06 Ref: [E3.47]

E3.23	Length of critical sewer	km	2dp

Data Definition: Length of critical sewer in each area.

Processing Rule: Input field

Field Type: Input

Previous References: Ofwat 07 Ref: | - | WICS 06 Ref: | E3.48 |

E3.24	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 storm water pumping stations situated at treatment works (and exclude inter-stage pumping).

Processing Rule: Input field

Field Type: Input

Previous References: Ofwat 07 Ref: | - | WICS 06 Ref: | E3.49 |

E3.25	Capacity of pumping stations (m³/d)	m³/day	0dp

Data Definition: Total peak hydraulic pumping capacity of pumping stations (as defined in E3.24).

Processing Rule: Input field

Field Type: Input

Previous References: Ofwat 07 Ref: | - | WICS 06 Ref: | E3.50 |

E3.26	Capacity of pumping stations (kw)	kw	0dp

Data Definition: The total installed pumping capacity of pumping stations (including standby pumps) in operation during the report year for each distribution area. Include foul, combined and storm water pumping stations.

Exclude terminal sewage pumping stations situated at treatment works (and exclude interstage pumping).

Processing Rule: Input field

Field Type: Input

Previous References: Ofwat 07 Ref: -   WICS 06 Ref: E3.51

E3.27	Number of combined pumping stations	nr	0dp

Data Definition: As for line E3.24 but include only pumping stations receiving combined sewage.

Processing Rule: Input field

Field Type: Input

Previous References: Ofwat 07 Ref: -   WICS 06 Ref: E3.52

E3.28	Capacity of combined pumping stations (m³/d)	m³/day	0dp

Data Definition: As for line E3.25 but include only pumping stations receiving combined sewage.

Processing Rule: Input field

Field Type: Input

Previous References: Ofwat 07 Ref: -   WICS 06 Ref: E3.53

E3.29	Number of storm water pumping stations	nr	0dp

Data Definition: As for line E3.24 but include only pumping stations receiving only storm water.

Processing Rule: Input field

Field Type: Input

Previous References: Ofwat 07 Ref: | - | WICS 06 Ref: | E3.54 |

E3.30	Capacity of storm water pumping stations (m³/d)	nr	0dp

Data Definition: As for line E3.25 but include only pumping stations receiving only storm water.

Processing Rule: Input field

Field Type: Input

Previous References: Ofwat 07 Ref: | - | WICS 06 Ref: | E3.55 |

E3.31	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 Rule: Input field

Field Type: Input

Previous References: Ofwat 07 Ref: | - | WICS 06 Ref: | E3.56 |

E3.32	**Number of combined sewer overflowsnr0dp (screened)**	**nr**	**0dp**

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

Processing Rule: Input field

Field Type: Input

Previous References: Ofwat 07 Ref: [-]   WICS 06 Ref: [E3.57]

E3.33	**Farmland untreated**	**ttds**	**0dp**

Data Definition: The amount of sewage sludge in thousands of tonnes of dry solids (ttds) which is disposed to farmland, untreated. Untreated sewage will have received no form of treatment designed to reduce its pathogen content.

The sludge may be thickened and/or de-watered to facilitate transportation.

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

Field Type: Input/calculated

Previous References: Ofwat 07 Ref: [-]   WICS 06 Ref: [E3.58]

E3.34	**Farmland conventional**	**ttds**	**0dp**

Data Definition: The amount of sewage sludge in thousands of tonnes of dry solids (ttds) which is disposed to farmland, conventionally treated.

"Conventionally treated" sewage sludge is that which has undergone processes designed to reduce the amount of E. Coli present by no less than 99% (a 2 log reduction).

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

Field Type: Input/calculated

Previous References: Ofwat 07 Ref: [-]   WICS 06 Ref: [-]

E3.35	Farmland advanced		ttds	0dp

Data Definition: The amount of sewage sludge in thousands of tonnes of dry solids (ttds) which is disposed to farmland, advanced treated.

"Advanced" treated sewage is that which has undergone processes designed to reduce the amount of E. Coli present by no less than 99.9999% (a 6 log reduction).

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

Field Type: Input/calculated

Previous References: Ofwat 07 Ref: - WICS 06 Ref: E3.60

E3.36	Incineration		ttds	0dp

Data Definition: The amount of sewage sludge in thousands of tonnes of dry solids (ttds) which is disposed of by incineration.

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

Field Type: Input/calculated

Previous References: Ofwat 07 Ref: - WICS 06 Ref: E3.62

E3.37	Landfill		ttds	0dp

Data Definition: The amount of sewage sludge in thousands of tonnes of dry solids (ttds) which is disposed to landfill.

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

Field Type: Input/Calculated

Previous References: Ofwat 07 Ref: - WICS 06 Ref: E3.61

E3.38	Composted	ttds	0dp

Data Definition: The amount of sewage sludge in thousands of tonnes of dry solids (ttds) which is disposed of by means of composting.

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

Field Type: Input/Calculated

Previous References: Ofwat 07 Ref: -   WICS 06 Ref: E3.63

E3.39	Land reclamation	ttds	0dp

Data Definition: The amount of sewage sludge in thousands of tonnes of dry solids (ttds) which is disposed of to land reclamation.

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

Field Type: Input/Calculated

Previous References: Ofwat 07 Ref: -   WICS 06 Ref: E3.64

E3.40	Other	ttds	0dp

Data Definition: The amount of sewage sludge in thousands of tonnes of dry solids (ttds) which is disposed of by any other form of sewage sludge disposal.

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

Field Type: Input/Calculated

Previous References: Ofwat 07 Ref: -   WICS 06 Ref: E3.65