

Appendix E : CMER

Table	1	Water resources and treatment. 2002-03 Explanatory factors
Block	n/a	n/a
Line	1	Total number of dams and impounding reservoirs

Line Definition: All dams and impounding reservoirs used for holding raw water. This line shall include pumped storage reservoirs and bank side storage facilities.

Note the reference given for the Annual Return is for guidance only, the equivalent figure must be provided for 2002-03. This applies to all the rows in this table.

Processing Rule: Input

AR 07 Ref: H3.1 nr Odp

Table	1	Water resources and treatment. 2002-03 Explanatory factors
Block	n/a	n/a
Line	2	Total capacity of dams and impounding reservoirs

Line Definition: Total capacity of all dams and impounding reservoirs used for holding raw water. This line shall include pumped storage reservoirs and bank side storage facilities.

Processing Rule: Input

AR 07 Ref: MI Odp

Table	1	Water resources and treatment. 2002-03 Explanatory factors
Block	n/a	n/a
Line	3	Total length of raw water aqueducts

Line Definition: All mains or conveyors associated with the transfer of raw water either between sources or from source to treatment. Exclude mains carrying water of potable quality on entry to the main.

Processing Rule: Input

AR 07 Ref: H3.3 km Odp

Table	1	Water resources and treatment. 2002-03 Explanatory factors
Block	n/a	n/a
Line	4	Total number of intake and source pumping stations

Line Definition: The total number of intake and source pumping stations associated with potable, non-potable and raw water systems. Exclude inter-stage pumping stations at water treatment works which are included as part of the treatment process.

Include in line transfer pumping; bore holes and wells requiring simple disinfection prior to forwarding into the supply system. Include works high level pumping stations.

Processing Rule: Input

AR 07 Ref: H2.11, H2.12 nr Odp

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Table	1	Water resources and treatment. 2002-03 Explanatory factors
Block	n/a	n/a
Line	5	Total capacity of intake and source pumping stations

Line Definition: The total capacity of intake and source pumping stations (measured by power output) associated with potable, non-potable and raw water systems.

Exclude inter-stage pumping stations at water treatment works which are included as part of the treatment process.

Include capacity of in line transfer pumping; bore holes and wells requiring simple disinfection prior to forwarding into the supply system. Include works high level pumping stations and capacity of standby pumps.

Processing Rule: Input

AR 07 Ref:

kw

0dp

Table	1	Water resources and treatment. 2002-03 Explanatory factors
Block	n/a	n/a
Line	6	Water treated at own works to own customers

Line Definition: The volume of water treated by SW at its own water treatment works for its own customers. Includes treatment of bulk supply imports, excludes treated bulk supply exports.

Processing Rule: Input

AR 07 Ref: A2.10

MI/d

2dp

Table	1	Water resources and treatment. 2002-03 Explanatory factors
Block	n/a	n/a
Line	7	Distribution input

Line Definition: Distribution input is the average amount of potable water entering the distribution system and supplied to customers within the company's area of supply. It is expected to be equal to metered distribution input.

Processing Rule: Input

AR 07 Ref: A2.11

MI/d

2dp

Appendix E : CMER

Table	1	Water resources and treatment. 2002-03 Explanatory factors
Block	n/a	n/a
Line	8	Total connected properties at year end

Line Definition: The total number of properties (domestic and non-domestic) connected to the distribution system at the end of the report year.

This must include properties which are connected but not billed (for example, temporarily unoccupied) but should exclude properties which have been permanently disconnected.

A group of properties supplied by a single connection should be counted as several properties. They should only be treated as a single property if a single bill covers the whole property.

Processing Rule: Input

AR 07 Ref: B2.1

nr

0dp

Table	1	Water resources and treatment. 2002-03 Explanatory factors
Block	n/a	n/a
Line	9	The gross mea value of water resources and treatment assets as at 31 March 2003

Line Definition: The gross modern equivalent asset value of water resources and treatment assets as at 31 March 2003 (2002-03 prices) by asset life categories i.e. short, medium, long and non-depreciable (infrastructure).

Guidance on gross mea valuations is in the general guidance for the return.

Processing Rule: Input

AR 07 Ref:

£m

1dp

Table	1	Water resources and treatment. 2002-03 Explanatory factors
Block	n/a	n/a
Line	10	Number of SW simple disinfection works

Line Definition: The total number of simple disinfection surface water works providing simple disinfection treatment only. Works should be allocated to size bands 1 to 5 according to their peak hydraulic capacity.

Calculation of the average size of works is included in the company guidance for this table.

Processing Rule: Input

AR 07 Ref: H2.1

nr

0dp

Appendix E : CMER

Table	1	Water resources and treatment. 2002-03 Explanatory factors
Block	n/a	n/a
Line	11	Number of SW1 works

Line Definition: The total number of category 1 surface water works providing simple physical treatment only. (e.g. filtration) Works should be allocated to size bands 1 to 5 according to their peak hydraulic capacity.

Calculation of the average size of works is included in the company guidance for this table.

Processing Rule: Input

AR 07 Ref: H2.2

nr

Odp

Table	1	Water resources and treatment. 2002-03 Explanatory factors
Block	n/a	n/a
Line	12	Number of SW2 works

Line Definition: The total number of category 2 surface water works providing single stage complex physical or chemical treatment (e.g. super chlorination, flocculation or biofiltration) but excluding nitrate or pesticide removal, plumbosolvency treatment

(e.g. GAC orthophosphate dosing or ion exchange). Works should be allocated to size bands 1 to 5 according to their peak hydraulic capacity.

Calculation of the average size of works is included in the company guidance for this table.

Processing Rule: Input

AR 07 Ref: H2.3

nr

Odp

Table	1	Water resources and treatment. 2002-03 Explanatory factors
Block	n/a	n/a
Line	13	Number of SW3 works

Line Definition: The total number of category 3 surface water works providing more than one stage of complex physical treatment but excluding nitrate or pesticide removal, plumbosolvency treatment

(e.g. GAC orthophosphate dosing or ion exchange). Works should be allocated to size bands 1 to 5 according to their peak hydraulic capacity. Calculation of the average size of works is included in the company guidance for this table.

Processing Rule: Input

AR 07 Ref: H2.4

nr

Odp

Appendix E : CMER

Table	1	Water resources and treatment. 2002-03 Explanatory factors
Block	n/a	n/a
Line	14	Number of SW4 works

Line Definition: The total number of category 4 surface water works providing more than one stage of complex physical treatment including nitrate or pesticide removal, plumbosolvency treatment (e.g. GAC, orthophosphate dosing or ion exchange). Works should be allocated to size bands 1 to 5 according to their peak hydraulic capacity. Calculation of the average size of works is included in the company guidance for this table.

Processing Rule: Input

AR 07 Ref:

nr

Odp

Table	1	Water resources and treatment. 2002-03 Explanatory factors
Block	n/a	n/a
Line	15	Water treated at all SW simple disinfection works

Line Definition: The average daily distribution input at simple disinfection water works measured over the year. The definition of a simple disinfection works is contained in line 10 above. Works should be allocated to size bands 1 to 5 according to their peak hydraulic capacity. Bulk supplies received should be included and bulk exports should be omitted.

Processing Rule: Input

AR 07 Ref:

MI/d

Odp

Table	1	Water resources and treatment. 2002-03 Explanatory factors
Block	n/a	n/a
Line	16	Water treated at all SW1 works

Line Definition: The average daily distribution input at category 1 surface water works measured over the year. The definition of a category 1 works is contained in line 11 above. Works should be allocated to size bands 1 to 5 according to their peak hydraulic capacity. Bulk supplies received should be included and bulk exports should be omitted.

Processing Rule: Input

AR 07 Ref:

MI/d

Odp

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Table	1	Water resources and treatment. 2002-03 Explanatory factors
Block	n/a	n/a
Line	17	Water treated at all SW2 works

Line Definition: The average daily distribution input at category 2 surface water works measured over the year. The definition of a category 2 works is contained in line 12 above.

Works should be allocated to size bands 1 to 5 according to their peak hydraulic capacity. Bulk supplies received should be included and bulk exports should be omitted.

Processing Rule: Input

AR 07 Ref:

MI/d

0dp

Table	1	Water resources and treatment. 2002-03 Explanatory factors
Block	n/a	n/a
Line	18	Water treated at all SW3 works

Line Definition: The average daily distribution input at category 3 surface water works measured over the year. The definition of a category 3 works is contained in line 13 above.

Works should be allocated to size bands 1 to 5 according to their peak hydraulic capacity. Bulk supplies received should be included and bulk exports should be omitted.

Processing Rule: Input

AR 07 Ref:

MI/d

0dp

Table	1	Water resources and treatment. 2002-03 Explanatory factors
Block	n/a	n/a
Line	19	Water treated at all SW4 works

Line Definition: The average daily distribution input at category 4 surface water works measured over the year. The definition of a category 4 works is contained in line 14 above.

Works should be allocated to size bands 1 to 5 according to their peak hydraulic capacity. Bulk supplies received should be included and bulk exports should be omitted.

Processing Rule: Input

AR 07 Ref:

MI/d

0dp

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Table	1	Water resources and treatment. 2002-03 Explanatory factors
Block	n/a	n/a
Line	20	Number of GW simple disinfection works

Line Definition: The total number of simple disinfection ground water works providing simple disinfection only. (e.g. disinfection) Works should be allocated to size bands 1 to 5 according to their peak hydraulic capacity.

Calculation of the average size of works is included in the company guidance for this table.

Processing Rule: Input

AR 07 Ref: H2.5

nr

Odp

Table	1	Water resources and treatment. 2002-03 Explanatory factors
Block	n/a	n/a
Line	21	Number of GW1 works

Line Definition: The total number of category 1 ground water works providing simple physical treatment only. (e.g. filtration) Works should be allocated to size bands 1 to 5 according to their peak hydraulic capacity.

Calculation of the average size of works is included in the company guidance for this table.

Processing Rule: Input

AR 07 Ref: H2.6

nr

Odp

Table	1	Water resources and treatment. 2002-03 Explanatory factors
Block	n/a	n/a
Line	22	Number of GW2 works

Line Definition: The total number of category 2 ground water works providing single stage complex physical or chemical treatment e.g. super chlorination, flocculation or biofiltration but excluding nitrate or pesticide removal, plumbosolvency treatment (e.g. GAC orthophosphate dosing or ion exchange). Works should be allocated to size bands 1 to 5 according to their peak hydraulic capacity.

Calculation of the average size of works is included in the company guidance for this table.

Processing Rule: Input

AR 07 Ref: H2.7

nr

Odp

Appendix E : CMER

Table	1	Water resources and treatment. 2002-03 Explanatory factors
Block	n/a	n/a
Line	23	Number of GW3 works

Line Definition: The total number of category 3 ground water works providing more than one stage of complex physical treatment but excluding nitrate or pesticide removal plumbosolvency treatment
(e.g. GAC orthophosphate dosing or ion exchange). Works should be allocated to size bands 1 to 5 according to their peak hydraulic capacity.
Calculation of the average size of works is included in the company guidance for this table.

Processing Rule: Input

AR 07 Ref: H2.8

nr

Odp

Table	1	Water resources and treatment. 2002-03 Explanatory factors
Block	n/a	n/a
Line	24	Number of GW4 works

Line Definition: The total number of category 4 ground water works providing more than one stage of complex physical treatment including nitrate or pesticide removal, plumbosolvency treatment
(e.g. GAC, orthophosphate dosing or ion exchange). Works should be allocated to size bands 1 to 5 according to their peak hydraulic capacity.

Processing Rule: Input

AR 07 Ref:

nr

Odp

Table	1	Water resources and treatment. 2002-03 Explanatory factors
Block	n/a	n/a
Line	25	Water treated at all GW simple disinfection works

Line Definition: The average daily distribution input at simple disinfection and category 1 ground water works measured over the year. The definition of a category 1 works is contained in line 20 above.
Works should be allocated to size bands 1 to 5 according to their peak hydraulic capacity. Bulk supplies received should be included and bulk exports should be omitted.

Processing Rule: Input

AR 07 Ref:

MI/d

Odp

Appendix E : CMER

Table	1	Water resources and treatment. 2002-03 Explanatory factors
Block	n/a	n/a
Line	26	Water treated at all GW1 works

Line Definition: The average daily distribution input at simple disinfection and category 1 ground water works measured over the year. The definition of a category 1 works is contained in line 21 above.

Works should be allocated to size bands 1 to 5 according to their peak hydraulic capacity. Bulk supplies received should be included and bulk exports should be omitted.

Processing Rule: Input

AR 07 Ref:

MI/d

Odp

Table	1	Water resources and treatment. 2002-03 Explanatory factors
Block	n/a	n/a
Line	27	Water treated at all GW2 works

Line Definition: The average daily distribution input at category 2 ground water works measured over the year. The definition of a category 2 works is contained in line 22 above.

Works should be allocated to size bands 1 to 5 according to their peak hydraulic capacity. Bulk supplies received should be included and bulk exports should be omitted.

Processing Rule: Input

AR 07 Ref:

MI/d

Odp

Table	1	Water resources and treatment. 2002-03 Explanatory factors
Block	n/a	n/a
Line	28	Water treated at all GW3 works

Line Definition: The average daily distribution input at category 3 ground water works measured over the year. The definition of a category 3 works is contained in line 23 above.

Works should be allocated to size bands 1 to 5 according to their peak hydraulic capacity. Bulk supplies received should be included and bulk exports should be omitted.

Processing Rule: Input

AR 07 Ref:

MI/d

Odp

Appendix E : CMER

Table	1	Water resources and treatment. 2002-03 Explanatory factors
Block	n/a	n/a
Line	29	Water treated at all GW4 works

Line Definition: The average daily distribution input at category 4 ground water works measured over the year. The definition of a category 4 works is contained in line 24 above.

Works should be allocated to size bands 1 to 5 according to their peak hydraulic capacity. Bulk supplies received should be included and bulk exports should be omitted.

Processing Rule: Input

AR 07 Ref:

MI/d

0dp

Table	2	Water distribution infrastructure. 2002 -03 Explanatory factors
Block	n/a	n/a
Line	1	Total length of unlined iron or unlined steel mains

Line Definition: Total length of unlined iron or unlined steel mains. Include lengths of larger main where original lining needs attention (e.g. internal bitumen lining stripped off) at end of year.

Processing Rule: Input

AR 07 Ref:

km

2dp

Table	2	Water distribution infrastructure. 2002 -03 Explanatory factors
Block	n/a	n/a
Line	2	Mains bursts per 1,000km

Line Definition: Mains bursts include all physical repair work to mains from which water is lost which is attributable to pipes, fittings, or joint material failures or movement, or caused or deemed to be caused by conditions or original pipe laying or subsequent changes in ground conditions (such as changes to a road formation, loading, etc where the costs of repair cannot be recovered from a third party). Include ferrule failures that are attributable to mains material condition or local ground movements, but not incidents of ferrule failure due to ferrule materials or poor workmanship, or associated with the communication pipe connection.

Exclude maintenance work on valve packings, hydrant seals, air valves etc. For the avoidance of doubt, all leakage occurring at locations or through joint or material failures which would have been designed for the life of the main (irrespective of whether earlier failure occurs) should be regarded as mains bursts. Failure of consumable or maintainable items (valve packings etc) should be classified as leakage.

Also include incidents of over-pressure or pressure cycling, and surge failures etc. which reflect the system operating conditions, even where these failures are accidental rather than associated with weaknesses in pipe condition. All third party damage should be excluded where costs are potentially (rather than actually) recovered from a third party. If these incidents are significant they should be reported in the commentaries.

Processing Rule: Input

AR 07 Ref: B8.1 Note the re

nr

0dp

Appendix E : CMER

Table	2	Water distribution infrastructure. 2002 -03 Explanatory factors
Block	n/a	n/a
Line	3	Total connected properties at year end

Line Definition: The total number of properties (domestic and non-domestic) connected to the distribution system at the end of the report year. This must include properties which are connected but not billed (for example, temporarily unoccupied) but should exclude properties which have been permanently disconnected. A group of properties supplied by a single connection should be counted as several properties. They should only be treated as a single property if a single bill covers the whole property.

Processing Rule: Input

AR 07 Ref: N nr 1dp

Table	2	Water distribution infrastructure. 2002 -03 Explanatory factors
Block	n/a	n/a
Line	4	Potable water mains (nominal bore)

Line Definition: The length of all potable water mains by size bands. Include all elements of trunk and distribution assets and system ancillaries. Include facilities intended for standby and emergency supplies.

Processing Rule: Input

AR 07 Ref: H3.4 km 0dp

Table	2	Water distribution infrastructure. 2002 -03 Explanatory factors
Block	n/a	n/a
Line	5	Other water mains (nominal bore)

Line Definition: The length of all raw and partially treated water mains. Exclude raw water mains classified as aqueducts under water resources. Include all partially treated industrial process water or fire-fighting mains.

Processing Rule: Input

AR 07 Ref: H3.5 km 0dp

Table	2	Water distribution infrastructure. 2002 -03 Explanatory factors
Block	n/a	n/a
Line	6	Number of communication pipes

Line Definition: The total number of communication pipes within the undertaker's supply area by different material (lead, galvanised iron and other)

Processing Rule: Input

AR 07 Ref: H3.6, H3.7 nr 0dp

Appendix E : CMER

Table	3	Water distribution non-infrastructure. Explanatory factors 2002-03
Block	n/a	n/a
Line	1	Distribution input

Line Definition: Distribution input is the average amount of potable water entering the distribution system and supplied to customers within Scottish Water's area of supply. It is expected to be equal to metered distribution input.

Note the reference given for the Annual Return is for guidance only, the equivalent figure must be provided for 2002-03. This applies to all the rows in this table.

Processing Rule: Brought forward (Table E1 line 7)

AR 07 Ref:

MI/d

2dp

Table	3	Water distribution non-infrastructure. Explanatory factors 2002-03
Block	n/a	n/a
Line	2	Average pumping head (distribution)

Line Definition: Average pumping head for distribution. Distribution as defined in RAG4

Processing Rule: Input

AR 07 Ref: E6.25

metres

1dp

Table	3	Water distribution non-infrastructure. Explanatory factors 2002-03
Block	n/a	n/a
Line	3	Number of non-household meters

Line Definition: The total number of non-household meters within SW's supply area.

Processing Rule: Input

AR 07 Ref:

nr

0dp

Table	3	Water distribution non-infrastructure. Explanatory factors 2002-03
Block	n/a	n/a
Line	4	Number of household meters

Line Definition: The total number of household meters within SW's supply area.

Processing Rule: Input

AR 07 Ref:

nr

0dp

Appendix E : CMER

Table	3	Water distribution non-infrastructure. Explanatory factors 2002-03
Block	n/a	n/a
Line	5	Total connected properties at year end

Line Definition: The total number of properties (domestic and non-domestic) connected to the distribution system at the end of the report year. This must include properties which are connected but not billed (for example, temporarily unoccupied) but should exclude properties which have been permanently disconnected. A group of properties supplied by a single connection should be counted as several properties. They should only be treated as a single property if a single bill covers the whole property.

Processing Rule: Brought forward (Table E1 line 8)

AR 07 Ref:

nr

0dp

Table	3	Water distribution non-infrastructure. Explanatory factors 2002-03
Block	n/a	n/a
Line	6	The gross mea value of water distribution non-infrastructure assets as at 31 March 2003

Line Definition: The gross modern equivalent asset value of water distribution non-infrastructure assets as at 31 March 2003 (2002-03 prices) by asset life categories i.e. short, medium and long. Guidance on gross mea valuations is in the general guidance.

Processing Rule: Input

AR 07 Ref:

£m

1dp

Table	3	Water distribution non-infrastructure. Explanatory factors 2002-03
Block	n/a	n/a
Line	7	Number of service reservoirs

Line Definition: The number of treated water service reservoirs within the water supply system including treated water reservoirs at water treatment works and any secondary disinfection plant on reservoir sites by size band. Include break pressure tanks. Calculation of the average size of works is included in the guidance for this table.

Processing Rule: Input

AR 07 Ref: H2.9

nr

0dp

Table	3	Water distribution non-infrastructure. Explanatory factors 2002-03
Block	n/a	n/a
Line	8	Capacity of service reservoirs

Line Definition: The total installed capacity of treated water service reservoirs within different size bands. The definition of a service reservoir is shown in line 7.

Processing Rule: Input

AR 07 Ref: E6.27

MI

1dp

Appendix E : CMER

Table	3	Water distribution non-infrastructure. Explanatory factors 2002-03
Block	n/a	n/a
Line	9	Number of water towers

Line Definition: The number of treated water service towers within the water supply system. Calculation of the average size of works is included in the guidance for this table.

Processing Rule: Input

AR 07 Ref: H2.10

nr

0dp

Table	3	Water distribution non-infrastructure. Explanatory factors 2002-03
Block	n/a	n/a
Line	10	Capacity of water towers

Line Definition: The total installed capacity of treated water storage towers within different size bands. The definition of a water tower is shown in line 9.

Processing Rule: Input

AR 07 Ref: E6.29

MI

1dp

Table	3	Water distribution non-infrastructure. Explanatory factors 2002-03
Block	n/a	n/a
Line	11	Number of booster pumping stations

Line Definition: The number of booster pumping stations within the distribution system. Calculation of the average size of works is included in the guidance for this table.

Processing Rule: Input

AR 07 Ref: H2.13

nr

0dp

Table	3	Water distribution non-infrastructure. Explanatory factors 2002-03
Block	n/a	n/a
Line	12	Capacity of booster pumping stations

Line Definition: The total capacity of booster pumping stations including standby pumps within different size bands.

Processing Rule: Input

AR 07 Ref: E6.24

kW

0dp

Appendix E : CMER

Table	4	Water management and general. Explanatory Factors 2002-03
Block	n/a	n/a
Line	1	Potable water mains (nominal bore)

Line Definition: The length of all potable water mains by size bands. Include all elements of trunk and distribution assets and system ancillaries. Include facilities intended for standby and emergency supplies.

Processing Rule: Brought forward(Table E2 line 4)

AR 07 Ref:

km

0dp

Table	4	Water management and general. Explanatory Factors 2002-03
Block	n/a	n/a
Line	2	Number of households billed for water

Line Definition: Average number of households billed for water within the water supply area.

Note the reference given for the Annual Return is for guidance only, the equivalent figure must be provided for 2002-03. This applies to all the rows in this table.

Processing Rule: Input

AR 07 Ref: A1.1, A1.2

nr

0dp

Table	4	Water management and general. Explanatory Factors 2002-03
Block	n/a	n/a
Line	3	Non-households billed for water

Line Definition: Average number of non-households billed for water within the supply area.

Processing Rule: Input

AR 07 Ref: A1.3, A1.4

nr

0dp

Table	4	Water management and general. Explanatory Factors 2002-03
Block	n/a	n/a
Line	4	The gross mea value of water management and general assets as at 31 March 2003

Line Definition: The gross modern equivalent asset value of water management and general assets as at 31 March 2003 (2002/03 prices) by asset life categories i.e. short, medium, long and non-depreciable (infrastructure). Guidance on gross mea valuations is included in the general guidance for the return.

Processing Rule: Input

AR 07 Ref:

£m

1dp

Appendix E : CMER

Table	4	Water management and general. Explanatory Factors 2002-03
Block	n/a	n/a
Line	5	The gross mea value at 31 March 2003 - Vehicles

Line Definition: The total gross modern equivalent asset value of vehicles used for the water service within the regulated business. Guidance on gross mea valuations is in the general guidance for the return.

Processing Rule: Input

AR 07 Ref:

Table	4	Water management and general. Explanatory Factors 2002-03
Block	n/a	n/a
Line	6	The gross mea value at 31 March 2003 - Telemetry systems

Line Definition: The total gross modern equivalent asset value of telemetry systems operated for the water service within the regulated business. Guidance on gross mea valuations is in the general guidance for the return.

Processing Rule: Input

AR 07 Ref:

Table	4	Water management and general. Explanatory Factors 2002-03
Block	n/a	n/a
Line	7	The gross mea value at 31 March 2003 - Computers

Line Definition: The total gross modern equivalent asset value of personal computers', workstations and mainframes (and/or servers) utilised by the water service within the regulated business.

Processing Rule: Input

AR 07 Ref:

Table	4	Water management and general. Explanatory Factors 2002-03
Block	n/a	n/a
Line	8	% of system covered by telemetry systems

Line Definition: The percentage of the undertaker's operational sites covered by telemetry systems.

Processing Rule: Input

AR 07 Ref:

Appendix E : CMER

Table	4	Water management and general. Explanatory Factors 2002-03
Block	n/a	n/a
Line	9	Number of telemetry outstations

Line Definition: The number of telemetry outstations installed at operational sites.

Processing Rule: Input

AR 07 Ref:

nr	-
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Table	5	Sewerage infrastructure. Explanatory factors 2002-03
Block	n/a	n/a
Line	1	Total length of sewers

Line Definition: Total length of sewers. Include gravity sewers, rising mains and estimates of length of former Section 24 sewers.

Note the reference given for the Annual Return is for guidance only, the equivalent figure must be provided for 2002-03. This applies to all the rows in this table.

Processing Rule: Input

AR 07 Ref:

D6.13

km	Odp
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Table	5	Sewerage infrastructure. Explanatory factors 2002-03
Block	n/a	n/a
Line	2	Total length of "critical" sewers

Line Definition: Definition of "critical" comes from WRc Sewerage Rehabilitation Manual. "Critical sewers" are those, whose collapse repairs will be expensive or disruptive or those, which are considered to be strategically important. The principal structural criterion is that if a sewer should fail, the subsequent costs would be significantly higher than if rehabilitated before failure [more precise definition will be found in the WRc Manual].

Processing Rule: Input

AR 07 Ref:

D6.8

km	Odp
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Table	5	Sewerage infrastructure. Explanatory factors 2002-03
Block	n/a	n/a
Line	3	Total length of section 24 sewers

Line Definition: The length of public sewer in each area which prior to 1989 was covered by Section 24 of the Public Health Act 1935 (which allowed companies to recover the reasonable expenses of maintenance on such sewers).

Processing Rule: Input

AR 07 Ref:

km	Odp
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Appendix E : CMER

Table	5	Sewerage infrastructure. Explanatory factors 2002-03
Block	n/a	n/a
Line	4	Total length of brick and masonry sewers

Line Definition: Total length of brick and masonry sewers

Processing Rule: Input

AR 07 Ref:

km

Odp

Table	5	Sewerage infrastructure. Explanatory factors 2002-03
Block	n/a	n/a
Line	5	Number of combined sewer overflows

Line Definition: Total number of combined sewer overflows on the sewer system. Those at sewage treatment works should be excluded, as should emergency overflows.

Processing Rule: Input

AR 07 Ref: E7.22

nr

Odp

Table	5	Sewerage infrastructure. Explanatory factors 2002-03
Block	n/a	n/a
Line	6	Number of sewer collapses per 1,000km

Line Definition: Number of sewer collapses per thousand kilometres of all sewers. Include bursts to rising mains, even where failures are accidental rather than weakness in pipe condition. All third party damage should be excluded where costs are potentially (rather than actually) recovered from a third party. If the incidents are significant, they should be reported in the commentaries.

Processing Rule: Input

AR 07 Ref: B8.11

nr /km

Odp

Table	5	Sewerage infrastructure. Explanatory factors 2002-03
Block	n/a	n/a
Line	7	Total number of domestic properties connected to sewerage system at the end of the year

Line Definition: The number of domestic connected properties connected to the sewerage system within SW's area at the end of the year.

Processing Rule: Input

AR 07 Ref:

nr

Odp

Appendix E : CMER

Table	6	Sewerage non-infrastructure. Explanatory factors 2002-03
Block	n/a	n/a
Line	1	Total number of domestic properties connected to sewerage system at the end of the year

Line Definition: The number of domestic connected properties connected to the sewerage system within SW's area at the end of the year.

Note the reference given for the Annual Return is for guidance only, the equivalent figure must be provided for 2002-03. This applies to all the rows in this table.

Processing Rule: Brought forward (table E5 line 7)

AR 07 Ref:

nr

0dp

Table	6	Sewerage non-infrastructure. Explanatory factors 2002-03
Block	n/a	n/a
Line	2	Total number of pumping stations

Line Definition: A pumping station is defined, as an individual site (i.e. not an individual pump). Include foul, combined and stormwater pumping stations. Exclude terminal sewage pumping stations situated at treatment works (and exclude inter-stage pumping).

Processing Rule: Input

AR 07 Ref: H5.1

nr

0dp

Table	6	Sewerage non-infrastructure. Explanatory factors 2002-03
Block	n/a	n/a
Line	3	Total capacity of pumping stations

Line Definition: Total installed pumping capacity of pumping stations including standby pumps by size band. The definition of a pumping station is shown in line 2 above.

Processing Rule: Input

AR 07 Ref: E3.26

kw

0dp

Table	6	Sewerage non-infrastructure. Explanatory factors 2002-03
Block	n/a	n/a
Line	4	The gross mea value of sewerage non-infrastructure assets as at 31 March 2003

Line Definition: The gross modern equivalent asset value of sewerage non-infrastructure assets as at 31 March 2003 (2002-03 prices) by asset life categories i.e. short, medium and long. Guidance on gross mea valuations is in the general guidance for the return.

Processing Rule: Input

AR 07 Ref:

£m

1dp

Appendix E : CMER

Table	7	Sewage treatment. 2002-03
Block	n/a	n/a
Line	1	Equivalent population serviced (resident)

Line Definition: Equivalent population should be calculated on the basis of 60g BOD5 per capita per day. Imported effluents should be included in calculation. No account should be taken of holiday population.

Note the reference given for the Annual Return is for guidance only, the equivalent figure must be provided for 2002-03. This applies to all the rows in this table.

Processing Rule: Input

AR 07 Ref: A2.58

nr

0dp

Table	7	Sewage treatment. 2002-03
Block	n/a	n/a
Line	2	Trade effluent load received at STW

Line Definition: The average daily trade effluent (TE) load received via the sewerage system in kg COD/day.

Processing Rule: Input

AR 07 Ref: A2.50

kgCOD/d

0dp

Table	7	Sewage treatment. 2002-03
Block	n/a	n/a
Line	3	Tanker load received at STW

Line Definition: The average daily load (in kg COD/day) received from other sources, including trade effluent (TE), septic tank and cesspit discharges delivered via this route, and any waste received as part of non-regulated business. SW should ensure that the trade effluent tanker load is not double counted. If it is included in line 2, it may not be reported in line 3. SW must state clearly where it is reported and comment if the amount of TE received by tanker is significant (>1% if TE load) and ensure that figures for all sewage treatment works are consistent.

Processing Rule: Input

AR 07 Ref:

kgCOD/d

0dp

Table	7	Sewage treatment. 2002-03
Block	n/a	n/a
Line	4	Volume of waste water returned

Line Definition: Volume of water delivered to measured and unmeasured water supplies that is returned to the sewerage system.

Processing Rule: Input

AR 07 Ref:

MI/d

2dp

Appendix E : CMER

Table	7	Sewage treatment. 2002-03
Block	n/a	n/a
Line	5	Volume trade effluent

Line Definition: Volume of trade effluent discharged to sewerage system. Trade effluent is any discharge, which is not "domestic".

Processing Rule: Input

AR 07 Ref: A2.43

MI/d

2dp

Table	7	Sewage treatment. 2002-03
Block	n/a	n/a
Line	6	Average domestic property connected to sewerage system receiving treatment

Line Definition: The average number of domestic properties connected to the sewerage system, for effluent receiving treatment. Include void properties. Exclude from the definition treatment works where sewage receives screening only.

Processing Rule: Input

AR 07 Ref:

nr

0dp

Table	7	Sewage treatment. 2002-03
Block	n/a	n/a
Line	7	The gross mea value of sewage treatment assets as at 31 March 2003

Line Definition: The gross modern equivalent asset value of sewage treatment assets as at 31 March 2003 (2002-03 prices) by asset life categories i.e. short, medium, long and depreciable (infrastructure). Guidance on gross mea valuations as set out in the general guidance.

Processing Rule: Input

AR 07 Ref:

£m

1dp

Table	7	Sewage treatment. 2002-03
Block	n/a	n/a
Line	8	The total number of preliminary sewage works

Line Definition: The number of sewage treatment works whose treatment methods involves at least simple screening or grit removal but is not sufficient to be classed as primary treatment. Note that maceration of sewage is not, on its own, regarded as a preliminary treatment as the breakdown of gross solids (with no removal) does not reduce BOD and could lead to an increase in the BOD effluent. Size bands are defined in the company guidance.

Processing Rule: Input

AR 07 Ref: H5.4

nr

0dp

Appendix E : CMER

Table	7	Sewage treatment. 2002-03
Block	n/a	n/a
Line	9	The total number of primary sewage works

Line Definition: The number of sewage treatment works whose treatment methods are restricted to primary treatment (screening, comminution, maceration, grit and detritus removal, pre-aeration and grease removal, storm tanks, plus primary sedimentation, including where assisted by the addition of chemicals e.g. Clariflow). Size bands are defined in the Table B of the general guidance.

Processing Rule: Input

AR 07 Ref: H5.5

nr

Odp

Table	7	Sewage treatment. 2002-03
Block	n/a	n/a
Line	10	The total number of secondary activated works

Line Definition: The number of sewage treatment works whose treatment methods include those for primary works plus works whose treatment methods include activated sludge (including diffused air aeration, coarse bubble aeration, mechanical aeration, oxygen injection, submerged filters) and other equivalent techniques including deep shaft process, extended aeration (single, double and triple ditches) and biological aerated filters as secondary treatment. Size bands are defined in the Table B of the general guidance.

Processing Rule: Input

AR 07 Ref: H5.6

nr

Odp

Table	7	Sewage treatment. 2002-03
Block	n/a	n/a
Line	11	The total number of secondary biological works

Line Definition: The number of sewage treatment works whose treatment methods include those for primary works plus works whose treatment methods include rotating biological contractors and biological filtration (including conventional filtration, high rate filtration, alternating double filtration and double filtration, root zone treatment (where used as a secondary treatment stage). Size bands are defined in the Table B of the general guidance.

Processing Rule: Input

AR 07 Ref:

nr

Odp

Appendix E : CMER

Table	7	Sewage treatment. 2002-03
Block	n/a	n/a
Line	12	The total number of tertiary (A) activated works

Line Definition: The number of sewage treatment works comprising A1 and A2 treatment methods as defined below. A1 - Works with a secondary activated sludge process whose treatment methods also include prolonged settlement in conventional lagoons or raft lagoons, irrigation over grassland, constructed wetlands, root zone treatment (where used as a tertiary stage), drum filters, microstrainers, slow sand filters, tertiary nitrifying filters, wedge wire clarifiers or Clariflow installed in humus tanks, where used as a tertiary treatment stage. A2 - Works with a secondary activated sludge process whose treatment methods also include rapid-gravity sand filters, moving bed filters, pressure filters, nutrient removal control using physico-chemical and biological methods, disinfection, hard COD and colour removal, where used as a tertiary treatment stage. Size bands are defined in the Table B of the general guidance.

Processing Rule: Input

AR 07 Ref:

nr

Odp

Table	7	Sewage treatment. 2002-03
Block	n/a	n/a
Line	13	The total number of tertiary (B) biological works

Line Definition: The number of sewage treatment works comprising B1 and B2 treatment methods as defined below. B1 - Works with a secondary stage biological process whose treatment methods also include prolonged settlement in conventional lagoons or raft lagoons, irrigation over grassland, constructed wetlands, root zone treatment (where used as a tertiary stage), drum filters, microstrainers, slow sand filters, tertiary nitrifying filters, wedge wire clarifiers or Clariflow installed in humus tanks, where used as a tertiary treatment stage. B2 - Works with a secondary biological process whose treatment methods also include rapid-gravity sand filters, moving bed filters, pressure filters, nutrient removal control using physico-chemical and biological methods, disinfection, hard COD and colour removal, where used as a tertiary treatment stage. Size bands are defined in the Table B of the general guidance.

Processing Rule: Input

AR 07 Ref:

nr

Odp

Table	7	Sewage treatment. 2002-03
Block	n/a	n/a
Line	14	Load received by preliminary works

Line Definition: The average daily load received in kg BOD5/day by sewage treatment works providing preliminary treatment methods. The definition of a preliminary works is given in line 8 above. The calculation of load is set out in the guidance.

Processing Rule: Input

AR 07 Ref:

KgBOD5/d

Odp

Appendix E : CMER

Table	7	Sewage treatment. 2002-03
Block	n/a	n/a
Line	15	Load received by primary works

Line Definition: The average daily load received in kg BOD5/day by sewage treatment works providing primary treatment methods. The definition of a primary works is given in line 9 above. The calculation of load is set out in the guidance.

Processing Rule: Input

AR 07 Ref:

KgBOD5/d

Odp

Table	7	Sewage treatment. 2002-03
Block	n/a	n/a
Line	16	Load received by secondary activated works

Line Definition: The average daily load received in kg BOD5/day by sewage treatment works providing secondary activated sludge treatment methods. The definition of a secondary activated works is given in line 10 above. The calculation of load is set out in the guidance.

Processing Rule: Input

AR 07 Ref:

KgBOD5/d

Odp

Table	7	Sewage treatment. 2002-03
Block	n/a	n/a
Line	17	Load received by secondary biological works

Line Definition: The average daily load received in kg BOD5/day by sewage treatment works providing secondary biological treatment methods. The definition of a secondary biological works is given in line 11. The calculation of load is set out in the company guidance.

Processing Rule: Input

AR 07 Ref:

KgBOD5/d

Odp

Table	7	Sewage treatment. 2002-03
Block	n/a	n/a
Line	18	Load received by tertiary (A) activated works

Line Definition: The average daily load received in kg BOD5/day by sewage treatment works providing tertiary activated, treatment methods. The definition of a tertiary activated works is given in line 12. The calculation of load is set out in the company guidance.

Processing Rule: Input

AR 07 Ref:

KgBOD5/d

Odp

Appendix E : CMER

Table	7	Sewage treatment. 2002-03
Block	n/a	n/a
Line	19	Load received by tertiary (B) biological works

Line Definition: The average daily load received in kg BOD5/day by sewage treatment works providing tertiary biological treatment methods. The definition of a tertiary biological works is given in line 13. The calculation of load is set out in the company guidance.

Processing Rule: Input

AR 07 Ref: KgBOD5/d 0dp

Table	7	Sewage treatment. 2002-03
Block	n/a	n/a
Line	20	The number of preliminary works with NH3 consents (<= 5mg/l)

Line Definition: The numbers of preliminary sewage treatment works with ammonia consents of 5mg/l or less for each size band 1 to 6.

Processing Rule: Input

AR 07 Ref: KgBOD5/d 0dp

Table	7	Sewage treatment. 2002-03
Block	n/a	n/a
Line	21	The number of primary works with NH3 consents (<= 5mg/l)

Line Definition: The numbers of primary sewage treatment works with ammonia consents of 5mg/l or less for each size band 1 to 6.

Processing Rule: Input

AR 07 Ref: KgBOD5/d 0dp

Table	7	Sewage treatment. 2002-03
Block	n/a	n/a
Line	22	The number of secondary activated workd with NH3 consents (<= 5mg/l)

Line Definition: The numbers of secondary activated sewage treatment works with ammonia consents of 5mg/l or less for each size band 1 to 6.

Processing Rule: Input

AR 07 Ref: KgBOD5/d 0dp

Appendix E : CMER

Table	7	Sewage treatment. 2002-03
Block	n/a	n/a
Line	23	The number of secondary biological works with NH3 consents (<= 5mg/l)

Line Definition: The numbers of secondary biological sewage treatment works with ammonia consents of 5mg/l or less for each size band 1 to 6.

Processing Rule: Input

AR 07 Ref:

KgBOD5/d

0dp

Table	7	Sewage treatment. 2002-03
Block	n/a	n/a
Line	24	The number of tertiary activated works with NH3 consents (<= 5mg/l)

Line Definition: The numbers of tertiary activated sewage treatment works with ammonia consents of 5mg/l or less for each size band 1 to 6.

Processing Rule: Input

AR 07 Ref:

KgBOD5/d

0dp

Table	7	Sewage treatment. 2002-03
Block	n/a	n/a
Line	25	The number of tertiary biological works with NH3 consents (<= 5mg/l)

Line Definition: The numbers of tertiary biological sewage treatment works with ammonia consents of 5mg/l or less for each size band 1 to 6.

Processing Rule: Input

AR 07 Ref:

KgBOD5/d

0dp

Table	8	Sludge treatment and disposal. Explanatory factors 2002-03
Block	n/a	n/a
Line	1	Number of STWs which treat only their own sludge

Line Definition: The number of sewage treatment works, which treat only their own sludge and no sludge from other sewage treatment works.

Note the reference given for the Annual Return is for guidance only, the equivalent figure must be provided for 2002-03. This applies to all the rows in this table.

Processing Rule: Input

AR 07 Ref:

nr

0dp

Appendix E : CMER

Table	8	Sludge treatment and disposal. Explanatory factors 2002-03
Block	n/a	n/a
Line	2	Number of STWs which are sludge centres

Line Definition: The number of sewage treatment works, which are sludge, centres i.e. sewage treatment works that treat their own sludge and that of other sewage treatment works.

Processing Rule: Input

AR 07 Ref:

nr

0dp

Table	8	Sludge treatment and disposal. Explanatory factors 2002-03
Block	n/a	n/a
Line	3	Number of sludge centres not situated at STWs

Line Definition: The number of sludge centres not situated at sewage treatment works.

Processing Rule: Input

AR 07 Ref:

nr

0dp

Table	8	Sludge treatment and disposal. Explanatory factors 2002-03
Block	n/a	n/a
Line	4	Amount of sewage sludge treated by each process

Line Definition: The amount of sewage sludge in thousand tonnes of dry solids (ttds) which is treated by each process. Treatment process are defined in the guidance for table CM8. SW must clearly explain in the commentary the methods used to treat sewage sludge assigned to the 'other' category.

Processing Rule: Input

AR 07 Ref:

ttds

1dp

Table	8	Sludge treatment and disposal. Explanatory factors 2002-03
Block	n/a	n/a
Line	5	Amount of sewage sludge disposed of to each route

Line Definition: The amount of sewage sludge in thousand tonnes of dry solids (ttds) which is disposed of through each route. Disposal routes are defined in the guidance for table CM8. SW must clearly explain in the commentary the methods used to dispose of sewage sludge assigned to the 'other' category.

Processing Rule: Input

AR 07 Ref:

ttds

1dp

Appendix E : CMER

Table	9	Sewerage management and general. Explanatory factors 2002-03
Block	n/a	n/a
Line	1	Total length of sewers

Line Definition: Total length of sewers. Include gravity sewers, rising mains and estimates of length of former Section 24 sewers.

Note the reference given for the Annual Return is for guidance only, the equivalent figure must be provided for 2002-03. This applies to all the rows in this table.

Processing Rule: Brought forward (Table E5 line 1)

AR 07 Ref:

km

0dp

Table	9	Sewerage management and general. Explanatory factors 2002-03
Block	n/a	n/a
Line	2	Total number of households billed for sewage

Line Definition: The total number of households billed for sewage within SW's area. Exclude void properties.

Processing Rule: Input

AR 07 Ref:

nr

0dp

Table	9	Sewerage management and general. Explanatory factors 2002-03
Block	n/a	n/a
Line	3	Total number of non-households billed for sewage

Line Definition: Total number of non-households billed for sewage. Exclude void properties.

Processing Rule: Input

AR 07 Ref:

nr

0dp

Table	9	Sewerage management and general. Explanatory factors 2002-03
Block	n/a	n/a
Line	4	The gross mean value of sewerage management and general assets as at 31 March 2003

Line Definition: The gross modern equivalent asset value of sewerage management and general assets as at 31 March 2003 (2002-03 prices) by asset life categories i.e. short, medium, long and non-depreciable (infrastructure). Included in the general guidance for this return.

Processing Rule: Input

AR 07 Ref:

£m

1dp

Appendix E : CMER

Table	9	Sewerage management and general. Explanatory factors 2002-03
Block	n/a	n/a
Line	5	The gross mean value at 31 March 2003 - Vehicles

Line Definition: The total gross modern equivalent asset value of vehicles used for the sewerage service utilised by the sewerage service within the regulated business

Processing Rule: Input

AR 07 Ref:

£m

3dp

Table	9	Sewerage management and general. Explanatory factors 2002-03
Block	n/a	n/a
Line	6	The gross mean value at 31 March 2003 - Telemetry systems

Line Definition: The total gross modern equivalent asset value of telemetry systems the utilised by the sewerage service within the regulated business

Processing Rule: Input

AR 07 Ref:

£m

3dp

Table	9	Sewerage management and general. Explanatory factors 2002-03
Block	n/a	n/a
Line	7	The gross mea value at 31 March 2003 - Computers

Line Definition: The total gross modern equivalent asset value of personal computers, workstations and mainframes (and/or servers) utilised by the sewerage service within the regulated business.

Processing Rule: Input

AR 07 Ref:

£m

3dp

Table	9	Sewerage management and general. Explanatory factors 2002-03
Block	n/a	n/a
Line	8	% of system covered by telemetry systems

Line Definition: The percentage of the undertaker's operational sites covered by telemetry systems.

Processing Rule: Input

AR 07 Ref:

%

1dp

Appendix E : CMER

Table	9	Sewerage management and general. Explanatory factors 2002-03
Block	n/a	n/a
Line	9	Number of telemetry outstations

Line Definition: The number of telemetry outstations installed at operational sites.

Processing Rule: Input

AR 07 Ref:

nr

0dp

Table	10	Capital maintenance expenditure. Water (outturn prices). 2003-04 to 2006-07
Block	n/a	n/a
Line	1	Water resources and treatment: Water resource facilities

Line Definition: The preservation and (where necessary) the replacement of water resources assets.

Note the reference given for the Annual Return is for guidance only. This applies to all the rows in this table.

Processing Rule: Input

AR 07 Ref:

£m

3dp

Table	10	Capital maintenance expenditure. Water (outturn prices). 2003-04 to 2006-07
Block	n/a	n/a
Line	2	Water resources and treatment: Water treatment works

Line Definition: The preservation and (where necessary) the replacement of water treatment assets.

Processing Rule: Input

AR 07 Ref:

£m

3dp

Table	10	Capital maintenance expenditure. Water (outturn prices). 2003-04 to 2006-07
Block	n/a	n/a
Line	3	Water distribution infrastructure: Water distribution mains

Line Definition: The preservation and (where necessary) the replacement of water distribution main to maintain serviceability. Infrastructure assets.

Processing Rule: Input

AR 07 Ref: D8.9

£m

3dp

Appendix E : CMER

Table	10	Capital maintenance expenditure. Water (outturn prices). 2003-04 to 2006-07
Block	n/a	n/a
Line	4	Water distribution non-infrastructure: Water distribution mains

Line Definition: The preservation and (where necessary) the replacement of water distribution main to maintain serviceability. Non-infrastructure assets.

Processing Rule: Input

AR 07 Ref:

£m

3dp

Table	10	Capital maintenance expenditure. Water (outturn prices). 2003-04 to 2006-07
Block	n/a	n/a
Line	5	Water distribution non-infrastructure: Service reservoirs and water towers

Line Definition: The preservation and (where necessary) the replacement of water storage assets

Processing Rule: Input

AR 07 Ref:

£m

3dp

Table	10	Capital maintenance expenditure. Water (outturn prices). 2003-04 to 2006-07
Block	n/a	n/a
Line	6	Water distribution non-infrastructure: Pumping stations

Line Definition: The preservation and (where necessary) the replacement of water pumping stations

Processing Rule: Input

AR 07 Ref:

£m

3dp

Table	10	Capital maintenance expenditure. Water (outturn prices). 2003-04 to 2006-07
Block	n/a	n/a
Line	7	Water management and general

Line Definition: The preservation and (where necessary) the replacement of water management and general assets

Processing Rule: Input

AR 07 Ref: D8.28

£m

3dp

Appendix E : CMER

Table	11	Capital maintenance expenditure sewerage (outturn prices). 2003-04 to 2006-07
Block	n/a	n/a
Line	1	Sewerage infrastructure

Line Definition: The preservation and (where necessary) the replacement of sewerage assets. Infrastructure assets.

Note the reference given for the Annual Return is for guidance only. This applies to all the rows in this table.

Processing Rule: Input

AR 07 Ref: D7.9

£m

3dp

Table	11	Capital maintenance expenditure sewerage (outturn prices). 2003-04 to 2006-07
Block	n/a	n/a
Line	2	Sewerage non-infrastructure

Line Definition: The preservation and (where necessary) the replacement of sewerage assets. Non-infrastructure assets.

Processing Rule: Input

AR 07 Ref: D7.18

£m

3dp

Table	11	Capital maintenance expenditure sewerage (outturn prices). 2003-04 to 2006-07
Block	n/a	n/a
Line	3	Sewage treatment

Line Definition: The preservation and (where necessary) the replacement of sewage treatment assets

Processing Rule: Input

AR 07 Ref: D7.27

£m

3dp

Table	11	Capital maintenance expenditure sewerage (outturn prices). 2003-04 to 2006-07
Block	n/a	n/a
Line	4	Sludge treatment and disposal

Line Definition: The preservation and (where necessary) the replacement of sludge treatment assets to maintain serviceability.

Processing Rule: Input

AR 07 Ref: D7.36

£m

3dp

Appendix E : CMER

Table	11	Capital maintenance expenditure sewerage (outturn prices). 2003-04 to 2006-07
Block	n/a	n/a
Line	5	Sewerage management and general (company wide only)

Line Definition: The preservation and (where necessary) the replacement of sewerage management and general assets to maintain serviceability.

Processing Rule: Input

AR 07 Ref: D7.37

£m

3dp