

Section B Outputs to Customers
Table 8 Other Serviceability Indicators - Water and Sewerage Service

| | | | |
|--------------|---------------------------------|-----------|------------|
| B8.01 | Mains bursts per 1000 km | nr | Odp |
|--------------|---------------------------------|-----------|------------|

Data 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 road formation, loading, etc where the costs of repair cannot be recovered from a third party). Include ferrule failures which 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 packing, hydrants seals, air valves etc. For the avoidance of doubt, all leakage occurring at locations or through joint or materials 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 Rules: Input field

Previous References:

| | | | |
|--------------------|----------|-------------------|------|
| Ofwat 07 | T11, L11 | WICS 06 | D5.1 |
|--------------------|----------|-------------------|------|

| | | | |
|--------------|--|-----------|------------|
| B8.02 | 95%ile greater than or equal to 0.5NTU [number of WTWs] | nr | 0dp |
|--------------|--|-----------|------------|

Data Definition: The number of operational potable water treatment works and sources whose turbidity 95 percentile equals or exceeds a 0.5 NTU threshold. Calculate 95 percentile value using all data from regular routine sampling of final water from sources for the calendar year. Minimum of 30 water samples where the works is in production for more than 11 months of the year. Otherwise, a minimum of 30 samples, less one sample per unit of four weeks that the works is not in supply. The maximum time interval between data samples is 28 days where works is in production for more than 11 months of the year, otherwise 28 days less one per unit of four weeks not in supply.

Processing Rules: Input field

Previous References: Ofwat 07 T11a, L1, C1 WICS 06 -

| | | | |
|--------------|--|-------------|------------|
| B8.03 | 95%ile greater than or equal to 0.5NTU [output for calendar year] | MI/d | 2dp |
|--------------|--|-------------|------------|

Data Definition: The sum of the output volume for the calendar year for operational potable water treatment works and sources whose turbidity 95 percentile equals or exceeds a 0.5 NTU threshold. Calculate 95 percentile value using all data from regular routine sampling of final water from sources for the calendar year. Minimum of 30 water samples where the works is in production for more than 11 months of the year. Otherwise, a minimum of 30 samples, less one sample per unit of four weeks that the works is not in supply. The maximum time interval between data samples is 28 days where works is in production for more than 11 months of the year, otherwise 28 days less one per unit of four weeks not in supply.

Processing Rules: Input field

Previous References: Ofwat 07 T11a, L1, C2 WICS 06 -

| | | | |
|--------------|---|-----------|------------|
| B8.04 | 95%ile less than 0.5NTU [number of WTWs] | nr | 0dp |
|--------------|---|-----------|------------|

Data Definition: The number of operational potable water treatment works and sources whose turbidity 95 percentile is less than a 0.5 NTU threshold. Calculate percentile value using all data from regular routine sampling of final water at water treatment works for the calendar year. Minimum of 30 water samples where the works is in production for more than 11 months of the year. Otherwise, a minimum of 30 samples, less one sample per unit of four weeks that the works is not in supply. The maximum time interval between data samples is 28 days where works is in production for more than 11 months of the year, otherwise 28 days less one per unit of four weeks not in supply.

Processing Rules: Input field

Previous References: Ofwat 07 T11a, L2, C1 WICS 06 -

| | | | |
|--------------|---|-------------|------------|
| B8.05 | 95%ile less than 0.5NTU [output for calendar year] | MI/d | 2dp |
|--------------|---|-------------|------------|

Data Definition: The sum of the output volume for the calendar year for operational potable water treatment works and sources whose turbidity 95 percentile is less than a 0.5 NTU threshold. Calculate percentile value using all data from routine regular sampling of final water at water treatment works for the calendar year. Minimum of 30 water samples where the works is in production for more than 11 months of the year. Otherwise, a minimum of 30 samples, less one sample per unit of four weeks that the works is not in supply. The maximum time interval between data samples is 28 days where works is in production for more than 11 months of the year, otherwise 28 days less one per unit of four weeks not in supply.

Processing Rules: Input field

Previous References: Ofwat 07 T11a, L2, C2 WICS 06 -

| | | | |
|--------------|--|----|-----|
| B8.06 | Turbidity not recorded [number of WTWs] | nr | 0dp |
|--------------|--|----|-----|

Data Definition: Number of operational water treatment works or sources for which turbidity is not recorded or where there are insufficient samples or where the time interval between samples is longer than the required minimum.

Processing Rules: Input field

Previous References: Ofwat 07 WICS 06

| | | | |
|--------------|--|------|-----|
| B8.07 | Turbidity not recorded [output for calendar year] | MI/d | 2dp |
|--------------|--|------|-----|

Data Definition: The sum of output volume for the calendar year for operational works in this category, expressed in megalitres per day.

Processing Rules: Input field

Previous References: Ofwat 07 WICS 06

| | | | |
|--------------|-------------------------------|----|-----|
| B8.08 | Total [number of WTWs] | nr | 0dp |
|--------------|-------------------------------|----|-----|

Data Definition: The total number of operational water treatment works.

Processing Rules: Sum of B8.2, B8.4 and B8.6

Previous References: Ofwat 07 WICS 06

| | | | |
|--------------|---|-------------|------------|
| B8.09 | Total [output for calendar year] | MI/d | 2dp |
|--------------|---|-------------|------------|

Data Definition: The total output from operational water treatment works for the calendar year.

Processing Rules: Sum of B8.3, B8.5 and B8.7

Previous References: Ofwat 07 WICS 06

| | | | |
|--------------|--|-----------|------------|
| B8.10 | Total number of sewer collapses | nr | 0dp |
|--------------|--|-----------|------------|

Data Definition: Total number of sewer collapses. 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 Rules: Input field

Previous References: Ofwat 07 WICS 06

| | | | |
|--------------|------------------------------------|-----------|------------|
| B8.11 | Sewer collapses per 1000 km | nr | 1dp |
|--------------|------------------------------------|-----------|------------|

Data 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 Rules: Input field

Previous References: Ofwat 07 WICS 06

| | | | |
|--------------|---|----|-----|
| B8.12 | Number of unsatisfactory intermittent discharges | nr | 0dp |
|--------------|---|----|-----|

Data Definition: The number of unsatisfactory intermittent discharges at the end of the report year (as identified by SEPA). SW should make reference in the commentary to the number of combined sewer overflows (CSOs) included in the total number of unsatisfactory intermittent discharges.

Processing Rules: Input field

Previous References: Ofwat 07 WICS 06

| | | | |
|--------------|--|----|-----|
| B8.13 | Number of intermittent discharges | nr | 0dp |
|--------------|--|----|-----|

Data Definition: The total number of intermittent discharges on the sewerage system. These should include combined sewer overflows, emergency overflows at pumping stations, storm overflows at inlets to works and storm tank discharges. SW should make specific reference in the commentary to the number of combined sewer overflows (CSOs) included in the total number of intermittent discharges.

Processing Rules: Input field

Previous References: Ofwat 07 WICS 06

| | | | |
|--------------|---|---|-----|
| B8.14 | Percentage of unsatisfactory intermittent discharges | % | 3dp |
|--------------|---|---|-----|

Data Definition: The percentage of unsatisfactory combined sewer overflows.

Processing Rules: B8.12 divided by B8.13

Previous References: Ofwat 07 WICS 06

| | | | |
|--------------|----------------------------------|----|-----|
| B8.15 | Total number of blockages | nr | 0dp |
|--------------|----------------------------------|----|-----|

Data Definition: Number of sewer blockages cleared.

Processing Rules: Input field

Previous References: Ofwat 07 WICS 06

| | | | |
|--------------|-----------------------------|----|-----|
| B8.16 | Blockages per 1000km | nr | 1dp |
|--------------|-----------------------------|----|-----|

Data Definition: Number of sewer blockage events that required clearing per thousand kilometres of all sewers.

Processing Rules: Input field

Previous References: Ofwat 07 WICS 06

| | | | |
|--------------|---|----|-----|
| B8.17 | Total number of rising main failures | nr | 0dp |
|--------------|---|----|-----|

Data Definition: Number of repairs to rising main pipe breaks.

Processing Rules: Input field

Previous References: Ofwat 07 WICS 06

| | | | |
|--------------|--|----|-----|
| B8.18 | Total number of gravity sewer collapses | nr | 0dp |
|--------------|--|----|-----|

Data Definition: Number of repairs to gravity sewer collapses.

Processing Rules: Input field

Previous References: Ofwat 07 WICS 06

| | | | |
|--------------|--|----|-----|
| B8.19 | Total number of equipment failures repaired | nr | 0dp |
|--------------|--|----|-----|

Data Definition: The total number of sewerage equipment failures. Include failures of pumping stations and combined sewer overflows and ancillary devices such as non-return (flap) valves, penstocks, flow controls, storage tanks and real time control systems.

Processing Rules: Input field

Previous References: Ofwat 07 WICS 06

| | | | |
|--------------|--|----|-----|
| B8.20 | Number of STW's (Equivalent Population band 3 to 6) | nr | 0dp |
|--------------|--|----|-----|

Data Definition: B8.21-23 calculate the percentage of sewage treatment works (STW) where there are no BOD events forecast for the current calendar year in the relevant event category a, b, c, based on the evidence of the previous three years' actual performance. See Appendix B for offline calculations. The number of works for which the forecast is made is reported in this cell.

Processing Rules: Input field

Previous References: Ofwat 07 WICS 06

| | | | |
|--------------|---|---|-----|
| B8.21 | Percentage of STWs where there are no BOD events forecast for the current year (Event: Max > 2) | % | 1dp |
|--------------|---|---|-----|

Data Definition: Percentage of sewage treatment works (STW) where there are no BOD events forecast for the current calendar year in the event: a) Maximum value more than twice the prevailing consent value.

Processing Rules: Input field

Previous References: Ofwat 07 T16b, L1, C2 WICS 06 -

| | | | |
|--------------|--|---|-----|
| B8.22 | Percentage of STWs where there are no BOD events forecast for the current year (Event: 95%ile>1) | % | 1dp |
|--------------|--|---|-----|

Data Definition: Percentage of sewage treatment works (STW) where there are no BOD events forecast for the current calendar year in the event: b) 95 percentile is greater than the prevailing consent value.

Processing Rules: Input field

Previous References: Ofwat 07 T16b, L1, C3 WICS 06 -

| | | | |
|--------------|--|---|-----|
| B8.23 | Percentage of STWs where there are no BOD events forecast for the current year (Event: Mean>0.5) | % | 1dp |
|--------------|--|---|-----|

Data Definition: Percentage of sewage treatment works (STW) where there are no BOD events forecast for the current calendar year in the event: c) Mean value is more than half the prevailing consent value.

Processing Rules: Input field

Previous References: Ofwat 07 T16b, L1, C4 WICS 06 -

| | | | |
|--------------|--------------------------------|----|-----|
| B8.24 | Number of excluded STWs | nr | 0dp |
|--------------|--------------------------------|----|-----|

Data Definition: Number of sewage treatment works where BOD performance cannot be calculated. Include all STWs in bands 0, 1 and 2 (i.e. with a p.e. of <500) in line with E tables.

Processing Input field

Rules:

Previous References: Ofwat 07 T16b, L2, C1 WICS 06 -

| | | | |
|--------------|-------------------|----|-----|
| B8.25 | Total STWs | nr | 0dp |
|--------------|-------------------|----|-----|

Data Definition: Total number of sewage treatment works.

Processing Sum of B8.20 and B8.24

Rules:

Previous References: Ofwat 07 T16b, L3, C1 WICS 06 -

| | | | |
|--------------|--|----|-----|
| B8.26 | Number of STW's (Equivalent Population band 3 to 6) | nr | 0dp |
|--------------|--|----|-----|

Data Definition: Cells B8.26-28 calculate the percentage of sewage treatment works (STW) where there are no SS events forecast for the current calendar year in the relevant event category a, b, c, based on the evidence of the previous three years' actual performance. See Appendix B for offline calculations. The number of works for which the forecast is made is reported in this cell.

Processing Input field

Rules:

Previous References: Ofwat 07 T16b, L4 C1 WICS 06 -

| | | | |
|--------------|--|---|-----|
| B8.27 | Percentage of STWs where there are no SS events forecast for the current year (Event: Max > 2) | % | 1dp |
|--------------|--|---|-----|

Data Definition: Percentage of sewage treatment works (STW) where there are no SS events forecast for the current calendar year in the event: a) Maximum value more than twice the prevailing consent value.

Processing Rules: Input field

Previous References:

| | | | |
|--------------------|--------------|-------------------|---|
| Ofwat 07 | T16b, L4, C2 | WICS 06 | - |
|--------------------|--------------|-------------------|---|

| | | | |
|--------------|---|---|-----|
| B8.28 | Percentage of STWs where there are no SS events forecast for the current year (Event: 95%ile>1) | % | 1dp |
|--------------|---|---|-----|

Data Definition: Percentage of sewage treatment works (STW) where there are no SS events forecast for the current calendar year in the event: b) 95 percentile is greater than the prevailing consent value.

Processing Rules: Input field

Previous References:

| | | | |
|--------------------|--------------|-------------------|---|
| Ofwat 07 | T16b, L4, C3 | WICS 06 | - |
|--------------------|--------------|-------------------|---|

| | | | |
|--------------|---|---|-----|
| B8.29 | Percentage of STWs where there are no SS events forecast for the current year (Event: Mean>0.5) | % | 1dp |
|--------------|---|---|-----|

Data Definition: Percentage of sewage treatment works (STW) where there are no SS events forecast for the current calendar year in the event: c) Mean value is more than half the prevailing consent value.

Processing Rules: Input field

Previous References:

| | | | |
|--------------------|--------------|-------------------|---|
| Ofwat 07 | T16b, L4, C4 | WICS 06 | - |
|--------------------|--------------|-------------------|---|

| | | | |
|--------------|--------------------------------|----|-----|
| B8.30 | Number of excluded STWs | nr | 0dp |
|--------------|--------------------------------|----|-----|

Data Definition: Number of sewage treatment works where SS performance cannot be calculated. Include all STWs in bands 0, 1 and 2 (i.e. with a p.e. of <500) in line with E tables.

Processing Input field

Rules:

Previous References: Ofwat 07 T16b, L5, C1 WICS 06 -

| | | | |
|--------------|-------------------|----|-----|
| B8.31 | Total STWs | nr | 0dp |
|--------------|-------------------|----|-----|

Data Definition: Total number of sewage treatment works

Processing Sum of B8.26 and B8.30

Rules:

Previous References: Ofwat 07 T16b, L6, C1 WICS 06 -

| | | | |
|--------------|--|----|-----|
| B8.32 | Number of STW's (Equivalent Population band 3 to 6) | nr | 0dp |
|--------------|--|----|-----|

Data Definition: Cells B8.33-35 calculate the percentage of sewage treatment works (STW) where there are no NH3 events forecast for the current calendar year in the relevant event category a, b, c, based on the evidence of the previous three years' actual performance. See Appendix B for offline calculations. The number of works for which the forecast is made is reported in this cell.

Processing Input field

Rules:

Previous References: Ofwat 07 T16b, L7 C1 WICS 06 -

| | | | |
|--------------|---|---|-----|
| B8.33 | Percentage of STWs where there are no NH3 events forecast for the current year (Event: Max > 2) | % | 1dp |
|--------------|---|---|-----|

Data Definition: Percentage of sewage treatment works (STW) where there are no NH3 events forecast for the current calendar year in the event: a) Maximum value more than twice the prevailing consent value.

Processing Rules: Input field

Previous References: Ofwat 07 T16b, L7, C2 WICS 06 -

| | | | |
|--------------|--|---|-----|
| B8.34 | Percentage of STWs where there are no NH3 events forecast for the current year (Event: 95%ile>1) | % | 1dp |
|--------------|--|---|-----|

Data Definition: Percentage of sewage treatment works (STW) where there are no NH3 events forecast for the current calendar year in the event: b) 95 percentile is greater than the prevailing consent value.

Processing Rules: Input field

Previous References: Ofwat 07 T16b, L7, C3 WICS 06 -

| | | | |
|--------------|--|---|-----|
| B8.35 | Percentage of STWs where there are no NH3 events forecast for the current year (Event: Mean>0.5) | % | 1dp |
|--------------|--|---|-----|

Data Definition: Percentage of sewage treatment works (STW) where there are no NH3 events forecast for the current calendar year in the event: c) Mean value is more than half the prevailing consent value.

Processing Rules: Input field

Previous References: Ofwat 07 T16b, L7, C4 WICS 06 -

| | | | |
|--------------|--------------------------------|----|-----|
| B8.36 | Number of excluded STWs | nr | 0dp |
|--------------|--------------------------------|----|-----|

Data Definition: Number of sewage treatment works where NH3 performance cannot be calculated. Include all STWs in bands 0, 1 and 2 (i.e. with a p.e. of <500) in line with E tables.

Processing Input field

Rules:

Previous References: Ofwat 07 T16b, L8, C1 WICS 06 -

| | | | |
|--------------|-------------------|----|-----|
| B8.37 | Total STWs | nr | 0dp |
|--------------|-------------------|----|-----|

Data Definition: Total number of sewage treatment works.

Processing Sum of B8.32 and B8.36

Rules:

Previous References: Ofwat 07 T16b, L9, C1 WICS 06 -