

Data Summary Tables for Cambridge Water Company Plc (CAM)

These tables contain a summary of results of monitoring undertaken by the water company in 2007 and submitted to the Drinking Water Inspectorate. The tables are published by the Inspectorate as part of the Chief Inspector's Report entitled 'Drinking water 2007'.

The tables and full content of the Drinking Water Inspectorate's annual report are available on the Inspectorate's website at <http://www.dwi.gov.uk>

Notes relating to the interpretation of the tables : -

Columns on the following tables that are headed '1 percentile representing a minimum' and '99 percentile representing a maximum' contain figures for the 1 percentile and 99 percentile sample results respectively except where less than 100 samples were taken, when the figures are the actual maximum and minimum results.

The symbol < indicates that the result was less than the limit of detection of the analytical method used.

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Data Summary (Q) for CAMBRIDGE WATER COMPANY PLC

Table CAW 1: Quality of water leaving service treatment works - European Standards

| Parameter | Parameter Code | Prescribed Concentration or Value | Total number of tests | Tests failed | Minimum | Maximum | No. of works with failures |
|--------------|----------------|-----------------------------------|-----------------------|--------------|---------|---------|----------------------------|
| Nitrite | A013B | 0.1 mg NO ₂ /l | 161 | 0 | <0.002 | 0.00866 | 0 |
| TOTAL | - | - | 161 | 0 | - | - | - |

Table CAW 2: Quality of water leaving service treatment works - National Standards

| Parameter | Parameter Code | Prescribed Concentration or Value | Total number of tests | Tests failed | Minimum | Maximum | No. of works with failures |
|-------------------|----------------|-----------------------------------|-----------------------|--------------|---------|---------|----------------------------|
| Coliform Bacteria | C001 | 0 number/100 ml | 1238 | 0 | 0 | 0 | 0 |
| <i>E. coli</i> | C002 | 0 number/100 ml | 1238 | 0 | 0 | 0 | 0 |
| TOTAL | - | - | 2476 | 0 | - | - | - |

Table CAW 3: Quality of water leaving service treatment works - Additional Monitoring Requirements

| Indicator Parameter | Parameter Code | Prescribed Concentration or Value | Total number of tests | Tests Exceeding Specification | Minimum | Maximum |
|--------------------------------------|----------------|-----------------------------------|-----------------------|-------------------------------|---------|---------|
| Colony Counts After 3 Days At 22°C | C007 | No abnormal change | 1730 | N/A | 0 | 11 |
| Colony Counts After 48 Hours At 37°C | C013 | No abnormal change | 1730 | N/A | 0 | 14 |
| Residual Disinfectant - Free | C009 | No abnormal change | 1237 | N/A | 0.09 | 0.32 |
| Turbidity | A002A | 1 NTU | 1950 | 1 | <0.05 | 0.23 |
| TOTAL | - | - | 6647 | 1 | - | - |

Table CAW 4: Quality of water leaving service reservoirs - National Standards

| Parameter | Parameter Code | Prescribed Concentration or Value | Total number of tests | Tests failed | Minimum | Maximum | No. of reservoirs failing standard |
|-------------------|----------------|-----------------------------------|-----------------------|--------------|---------|---------|------------------------------------|
| Coliform Bacteria | C001 | 0 number/100 ml | 1716 | 4 | 0 | 0 | 0 |
| <i>E. coli</i> | C002 | 0 number/100 ml | 1716 | 0 | 0 | 0 | 0 |
| TOTAL | - | - | 3432 | 4 | - | - | - |

Table CAW 5: Quality of water leaving service reservoirs - Additional Monitoring Requirements

| Indicator Parameter | Parameter Code | Prescribed Concentration or Value | Total number of tests | Tests Exceeding Specification | Minimum | Maximum |
|--------------------------------------|----------------|-----------------------------------|-----------------------|-------------------------------|---------|---------|
| Colony Counts After 3 Days At 22°C | C007 | No abnormal change | 1716 | N/A | 0 | 86 |
| Colony Counts After 48 Hours At 37°C | C013 | No abnormal change | 1716 | N/A | 0 | 5 |
| Residual Disinfectant - Free | C009 | No abnormal change | 1716 | N/A | <0.02 | 0.13 |
| TOTAL | - | - | 5148 | 0 | - | - |

Table CAW 6: Quality of water leaving bulk supply points - European Standards

| Parameter | Parameter Code | Prescribed Concentration or Value | Total number of tests | Tests failed | Minimum | Maximum | Failures by supply point |
|---------------------------------|----------------|-----------------------------------|-----------------------|--------------|---------|---------|--------------------------|
| Bromate | F003 | 10 µg BrO ₃ /l | 159 | 0 | <0.6 | <0.6 | 0 |
| Pesticides (Aldrin) | P002 | 0.03 µg/l | 8 | 0 | <0.001 | <0.002 | 0 |
| Pesticides (Dieldrin) | P028 | 0.03 µg/l | 8 | 0 | <0.002 | <0.002 | 0 |
| Pesticides (Heptachlor) | P043 | 0.03 µg/l | 8 | 0 | <0.001 | <0.002 | 0 |
| Pesticides (Heptachlor epoxide) | P044 | 0.03 µg/l | 8 | 0 | <0.002 | <0.002 | 0 |
| Pesticides - Total Substances | B010 | 0.5 µg/l | 8 | 0 | <0.002 | <0.002 | 0 |
| TOTAL | - | - | 199 | 0 | - | - | - |

Table CAW 7: Quality of water leaving bulk supply points - Additional Monitoring Requirements

| Indicator Parameter | Parameter Code | Prescribed Concentration or Value | Total number of tests | Tests Exceeding Specification | Minimum | Maximum |
|--------------------------------|----------------|-----------------------------------|-----------------------|-------------------------------|---------|---------|
| <i>Clostridium perfringens</i> | C004A | 0 number/100 ml | 161 | 0 | 0 | 0 |
| TOTAL | - | - | 161 | 0 | - | - |

Table CAW 8: Quality of water at consumer's tap (zones) - European Standards

| Parameter | Parameter Code | Prescribed Concentration or Value | Total number of tests | Tests failed | Minimum | Maximum | No. of zones with failures |
|---|----------------|-----------------------------------|-----------------------|--------------|---------|---------|----------------------------|
| 1,2 Dichloroethane | F001 | 3 µg/l | 60 | 0 | <0.08 | <0.08 | 0 |
| Antimony | B008A | 5 µg Sb/l | 60 | 0 | <0.12 | 0.2 | 0 |
| Arsenic | B001A | 10 µg As/l | 60 | 0 | <0.37 | 0.49 | 0 |
| Benzene | F002 | 1 µg/l | 60 | 0 | <0.06 | <0.08 | 0 |
| Benzo (a) Pyrene | D007 | 0.01 µg/l | 60 | 0 | <0.001 | <0.001 | 0 |
| Boron | D005A | 1 mg B/l | 60 | 0 | <0.017 | 0.13 | 0 |
| Bromate | F003 | 10 µg BrO ₃ /l | 60 | 0 | <0.6 | <0.6 | 0 |
| Cadmium | B002 | 5 µg Cd/l | 60 | 0 | <0.06 | <0.06 | 0 |
| Chromium | B004 | 50 µg Cr/l | 60 | 0 | <0.7 | 1.3 | 0 |
| Copper | A024A | 2 mg Cu/l | 60 | 0 | <0.0027 | 0.59 | 0 |
| Cyanide | B003 | 50 µg CN/l | 60 | 0 | <0.4 | 1 | 0 |
| <i>E. coli</i> | C002 | 0 number/100 ml | 809 | 0 | 0 | 0 | 0 |
| Enterococci | C003 | 0 number/100 ml | 61 | 0 | 0 | 0 | 0 |
| Fluoride | A027 | 1.5 mg F/l | 60 | 0 | <0.009 | 0.246 | 0 |
| Lead | B007A | 25 µg Pb/l | 60 | 0 | <0.5 | 5.2 | 0 |
| Mercury | B005 | 1 µg Hg/l | 60 | 0 | <0.012 | 0.062 | 0 |
| Nickel | B006A | 20 µg Ni/l | 60 | 0 | <0.9 | 6.3 | 0 |
| Nitrate | A012 | 50 mg NO ₃ /l | 60 | 0 | <0.26 | 48.5 | 0 |
| Nitrite | A013A | 0.5 mg NO ₂ /l | 60 | 0 | <0.002 | 0.036 | 0 |
| Nitrate/Nitrite Formula | A013C | 1 mg NO ₂ /l | 60 | 0 | <0.006 | 0.97 | 0 |
| Polycyclic aromatic hydrocarbons (PAHs) | B011F | 0.1 µg/l | 60 | 0 | 0 | 0.038 | 0 |
| Selenium | B009 | 10 µg Se/l | 60 | 0 | <0.22 | 3.1 | 0 |
| Tetrachloroethene/Trichloroethene | D009B | 10 µg/l | 60 | 0 | 0 | 4.52 | 0 |
| Trihalomethanes (THMs) | D011 | 100 µg/l | 60 | 0 | 0 | 10.5 | 0 |
| Pesticides (2,3,6-Tba) | P074 | 0.1 µg/l | 60 | 0 | <0.002 | <0.002 | 0 |
| Pesticides (2,4,5-T) | P076 | 0.1 µg/l | 60 | 0 | <0.002 | <0.002 | 0 |
| Pesticides (2,4-D) | P020 | 0.1 µg/l | 60 | 0 | <0.002 | <0.002 | 0 |
| Pesticides (Aldicarb) | P001 | 0.1 µg/l | 60 | 0 | <0.002 | <0.02 | 0 |
| Pesticides (Atrazine) | P004 | 0.1 µg/l | 60 | 0 | <0.001 | 0.049 | 0 |
| Pesticides (Carbaryl) | P009 | 0.1 µg/l | 60 | 0 | <0.006 | <0.02 | 0 |
| Pesticides (Carbetamide) | P010 | 0.1 µg/l | 60 | 0 | <0.002 | <0.006 | 0 |
| Pesticides (Chlorbufam) | P088 | 0.1 µg/l | 60 | 0 | <0.017 | <0.02 | 0 |
| Pesticides (Chlorpropham) | P016 | 0.1 µg/l | 60 | 0 | <0.01 | <0.02 | 0 |
| Pesticides (Chlortoluron) | P014 | 0.1 µg/l | 60 | 0 | <0.002 | 0.005 | 0 |
| Pesticides (Dicamba) | P025 | 0.1 µg/l | 60 | 0 | <0.002 | <0.002 | 0 |
| Pesticides (Dichlorprop) | P026 | 0.1 µg/l | 60 | 0 | <0.002 | <0.002 | 0 |
| Pesticides (Diuron) | P032 | 0.1 µg/l | 60 | 0 | <0.003 | 0.01 | 0 |

| Parameter | Parameter Code | Prescribed Concentration or Value | Total number of tests | Tests failed | Minimum | Maximum | No. of zones with failures |
|-------------------------------|----------------|-----------------------------------|-----------------------|--------------|---------|---------|----------------------------|
| Pesticides (EPTC) | P035 | 0.1 µg/l | 60 | 0 | <0.001 | <0.002 | 0 |
| Pesticides (Isoproturon) | P048 | 0.1 µg/l | 60 | 0 | <0.002 | <0.004 | 0 |
| Pesticides (Linuron) | P051 | 0.1 µg/l | 60 | 0 | <0.003 | <0.005 | 0 |
| Pesticides (MCPA) | P054 | 0.1 µg/l | 60 | 0 | <0.002 | <0.002 | 0 |
| Pesticides (MCPB) | P055 | 0.1 µg/l | 60 | 0 | <0.002 | <0.002 | 0 |
| Pesticides (MCP(Mecoprop)) | P053 | 0.1 µg/l | 60 | 0 | <0.002 | <0.002 | 0 |
| Pesticides (Methiocarb) | P056 | 0.1 µg/l | 60 | 0 | <0.004 | <0.02 | 0 |
| Pesticides (Pirimicarb) | P064 | 0.1 µg/l | 60 | 0 | <0.001 | <0.003 | 0 |
| Pesticides (Prometryn) | P070 | 0.1 µg/l | 60 | 0 | <0.002 | <0.003 | 0 |
| Pesticides (Propazine) | P066 | 0.1 µg/l | 60 | 0 | <0.001 | 0.004 | 0 |
| Pesticides (Propham) | P067 | 0.1 µg/l | 60 | 0 | <0.003 | <0.02 | 0 |
| Pesticides (Simazine) | P073 | 0.1 µg/l | 60 | 0 | <0.001 | 0.016 | 0 |
| Pesticides (Terbutryn) | P077 | 0.1 µg/l | 60 | 0 | <0.002 | <0.003 | 0 |
| Pesticides (Tri-allate) | P079 | 0.1 µg/l | 60 | 0 | <0.001 | <0.008 | 0 |
| Pesticides (Trietazine) | P132 | 0.1 µg/l | 60 | 0 | <0.001 | 0.018 | 0 |
| Pesticides - Total Substances | B010 | 0.5 µg/l | 60 | 0 | 0 | 0.059 | 0 |
| TOTAL | - | - | 3930 | 0 | - | - | - |

Table CAW 9: Quality of water at consumer's tap (zones) - National Standards

| Parameter | Parameter Code | Prescribed Concentration or Value | Total number of tests | Tests failed | Minimum | Maximum | No. of zones with failures |
|--------------------|----------------|-----------------------------------|-----------------------|--------------|---------|---------|----------------------------|
| Aluminium | A021 | 200 µg Al/l | 60 | 0 | <11 | <11 | 0 |
| Colour | A001 | 20 mg/l Pt/Co scale | 160 | 0 | <0.4 | 0.9 | 0 |
| Hydrogen ion (pH) | A006 | 6.5 -10 pH value | 160 | 0 | 7.0861 | 7.9324 | 0 |
| Iron | A022 | 200 µg Fe/l | 60 | 0 | <7 | 59 | 0 |
| Manganese | A023 | 50 µg Mn/l | 60 | 0 | <1.5 | <1.5 | 0 |
| Organoleptic Odour | A003 | Dilution no. 3 at 25°C | 173 | 0 | 0 | 0.26 | 0 |
| Organoleptic Taste | A004 | Dilution no. 3 at 25°C | 173 | 0 | 0 | 0.26 | 0 |
| Sodium | A009 | 200 mg Na/l | 60 | 0 | 7.1 | 35 | 0 |
| Tetrachloromethane | D008 | 3 µg/l | 60 | 0 | <0.02 | <0.04 | 0 |
| Turbidity | A002 | 4 NTUs | 198 | 0 | <0.05 | 0.3776 | 0 |
| TOTAL | - | - | 1164 | 0 | - | - | - |

Table CAW 10: Quality of water at consumer's tap (zones) - Additional Monitoring Requirements

| Indicator Parameter | Parameter Code | Prescribed Concentration or Value | Total number of tests | Tests Exceeding Specification | Minimum | Maximum |
|---------------------------------------|----------------|-----------------------------------|-----------------------|-------------------------------|---------|---------|
| Ammonium | A014 | 0.5 mg NH ₄ /l | 159 | 0 | <0.009 | 0.0442 |
| Chloride | D002A | 250 mg Cl/l | 60 | 0 | 16.4 | 42 |
| Coliform Bacteria | C001A | 0 number/100 ml | 809 | 0 | 0 | 0 |
| Colony Counts After 3 Days At 22°C | C007 | No abnormal change | 317 | N/A | 0 | 155 |
| Colony Counts After 48 Hours At 37°C | C013 | No abnormal change | 317 | N/A | 0 | 81 |
| Conductivity | D001 | 2500 µS/cm | 159 | 0 | 301 | 679.8 |
| Hydrogen ion (pH) | A006A | 9.5 pH Value | 160 | 0 | 7.0861 | 7.9324 |
| Radioactivity - Gross Alpha | F004 | 0.1 Bq/l | 60 | 4 | <0.004 | 0.204 |
| Radioactivity - Gross Beta | F005 | 1 Bq/l | 60 | 0 | 0.024 | 0.452 |
| Radioactivity - Total Indicative Dose | F007 | 0.1 mSv/year | 60 | 0 | 0 | <1 |
| Radioactivity - Tritium | F006 | 100 Bq/l | 60 | 0 | <1.6 | <5 |
| Residual Disinfectant - Free | C009 | No abnormal change | 809 | N/A | <0.03 | 0.13 |
| Sulphate | A007 | 250 mg SO ₄ /l | 60 | 0 | 18.3 | 74.5 |
| Total Organic Carbon (TOC) | A017 | No abnormal change | 60 | N/A | <0.18 | 7.8 |
| TOTAL | - | - | 3150 | 4 | - | - |