

## **Data summary tables for Cambridge Water Company Plc (CAM)**

These tables contain a summary of results of monitoring undertaken by the water company in 2016 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 2016*.

The tables and full content of the Drinking Water Inspectorate's annual report are available on the Inspectorate's website at <http://www.dwi.defra.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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Site Summary Data for Cambridge Water Company Plc

Report Date Range: For the whole year 2016

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

Parameter Name	Parameter Code	Prescribed Concentration or Value	Total Number of Tests	Tests Failed	1 percentile (representing a minimum)	99 percentile (representing a maximum)	No. of works with failures
Nitrite (Works)	A013B	0.1 mg NO <sub>2</sub> /l	131	0	< 0.01	< 0.0236	0
<b>Totals:</b>			<b>131</b>	<b>0</b>			

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

Parameter Name	Parameter Code	Prescribed Concentration or Value	Total Number of Tests	Tests Failed	1 percentile (representing a minimum)	99 percentile (representing a maximum)	No. of works with failures
Coliform Bacteria	C001	0 number/100 ml	1,432	0	0	0	0
E coli	C002	0 number/100 ml	1,432	0	0	0	0
<b>Totals:</b>			<b>2,864</b>	<b>0</b>			

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

Parameter Name	Parameter Code	Prescribed Concentration or Value	Total Number of Tests	Tests exceeding specification	1 percentile (representing a minimum)	99 percentile (representing a maximum)
Colony Counts After 3 Days At 22°C (Indicator)	C007	No abnormal change	2,371	-n/a	0	30
Colony Counts After 48 Hours At 37°C (Indicator)	C013	No abnormal change	2,370	-n/a	0	17
Residual Disinfectant - Free	C009	No abnormal change	2,417	-n/a	0.1	0.34
Turbidity (Indicator)	A002A	1 nephelometric turbidity units	1,837	1	< 0.06	0.28
<b>Totals:</b>			<b>8,995</b>	<b>1</b>		

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

Parameter Name	Parameter Code	Prescribed Concentration or Value	Total Number of Tests	Tests Failed	1 percentile (representing a minimum)	99 percentile (representing a maximum)	No. of reservoirs failing standard
Coliform Bacteria	C001	0 number/100 ml	1,607	0	0	0	0
E coli	C002	0 number/100 ml	1,607	0	0	0	0
<b>Totals:</b>			<b>3,214</b>	<b>0</b>			

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

Parameter Name	Parameter Code	Prescribed Concentration or Value	Total Number of Tests	Tests exceeding specification	1 percentile (representing a minimum)	99 percentile (representing a maximum)
Colony Counts After 3 Days At 22°C (Indicator)	C007	No abnormal change	1,607	-n/a	0	53
Colony Counts After 48 Hours At 37°C (Indicator)	C013	No abnormal change	1,607	-n/a	0	4
Residual Disinfectant - Free	C009	No abnormal change	1,623	-n/a	0.03	0.21
<b>Totals:</b>			<b>4,837</b>	<b>0</b>		

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

Parameter Name	Parameter Code	Prescribed Concentration or Value	Total Number of Tests	Tests Failed	1 percentile (representing a minimum)	99 percentile (representing a maximum)	No. of supply points with failures
Bromate	F003	10 µg BrO3/l	150	0	< 0.1	< 1.186	0
Pesticides - Total Substances	B010	0.5 µg/l	150	0	0	0.065	0
Pesticides 2,3,6-Tba	P074	0.1 µg/l	7	0	< 0.002	< 0.009	0
Pesticides 2,4-D	P020	0.1 µg/l	11	0	< 0.006	< 0.008	0
Pesticides Aldrin	P002	0.03 µg/l	142	0	< 0.001	0.004	0
Pesticides Atrazine	P004	0.1 µg/l	44	0	< 0.002	0.032	0
Pesticides Bentazone	P006	0.1 µg/l	43	0	< 0.002	0.044	0
Pesticides Carbetamide	P010	0.1 µg/l	6	0	< 0.002	< 0.004	0
Pesticides Chlortoluron	P014	0.1 µg/l	30	0	< 0.002	0.01	0
Pesticides Dicamba	P025	0.1 µg/l	12	0	< 0.012	< 0.015	0
Pesticides Dichlorprop	P026	0.1 µg/l	7	0	< 0.003	< 0.006	0
Pesticides Dieldrin	P028	0.03 µg/l	142	0	< 0.002	0.00628	0
Pesticides Diuron	P032	0.1 µg/l	17	0	< 0.003	0.01	0
Pesticides Heptachlor	P043	0.03 µg/l	147	0	< 0.001	0.002	0
Pesticides Heptachlor epoxide	P044	0.03 µg/l	142	0	< 0.002	< 0.004	0
Pesticides Isoproturon	P048	0.1 µg/l	23	0	< 0.002	< 0.008	0
Pesticides Linuron	P051	0.1 µg/l	18	0	< 0.004	< 0.007	0
Pesticides MCPA	P054	0.1 µg/l	18	0	< 0.005	< 0.009	0
Pesticides MCPB	P055	0.1 µg/l	11	0	< 0.004	< 0.011	0
Pesticides MCPP(Mecoprop)	P053	0.1 µg/l	14	0	< 0.004	< 0.005	0
Pesticides Metaldehyde	P226	0.1 µg/l	24	0	< 0.004	0.007	0
Pesticides Propazine	P066	0.1 µg/l	16	0	0	< 0.005	0
Pesticides Propyzamide	P071	0.1 µg/l	36	0	< 0.004	< 0.01	0
Pesticides Simazine	P073	0.1 µg/l	76	0	< 0.003	< 0.015	0
Pesticides Terbutryn	P077	0.1 µg/l	6	0	< 0.002	< 0.009	0
Pesticides Trietazine	P132	0.1 µg/l	46	0	< 0.003	0.016	0
<b>Totals:</b>			<b>1,338</b>	<b>0</b>			

**Table CAM 8: Quality of water leaving bulk supply points - Additional Monitoring Requirements**

Parameter Name	Parameter Code	Prescribed Concentration or Value	Total Number of Tests	Tests exceeding specification	1 percentile (representing a minimum)	99 percentile (representing a maximum)
Clostridium Perfringens (Indicator)	C004A	0 number/100 ml	149	0	0	0
<b>Totals:</b>			<b>149</b>	<b>0</b>		

**Table CAM 9: Quality of water at consumer's tap (zones) - European Standards**

Parameter Name	Parameter Code	Prescribed Concentration or Value	Total Number of Tests	Tests Failed	1 percentile (representing a minimum)	99 percentile (representing a maximum)	No. of zones failing standard
1,2 Dichloroethane	F001	3 µg/l	70	0	< 0.05	0.19	0
Antimony	B008A	5 µg Sb/l	70	0	0.04	0.24	0
Arsenic	B001A	10 µg As/l	70	0	0.12	0.5	0
Benzene	F002	1 µg/l	69	0	< 0.02	0.15	0
Benzo (a) Pyrene	D007	0.01 µg/l	72	0	< 0.0008	< 0.0015	0
Boron	D005A	1 mg B/l	70	0	< 0.008	0.052	0
Bromate	F003	10 µg BrO3/l	6	0	< 0.1	0.3	0
Cadmium	B002	5 µg Cd/l	70	0	< 0.01	< 0.1	0
Chromium	B004	50 µg Cr/l	70	0	< 0.06	< 0.7	0
Copper	A024A	2 mg Cu/l	75	0	0.0018	0.69	0
Cyanide	B003	50 µg CN/l	69	0	< 2	< 9	0
E coli	C002	0 number/100 ml	909	0	0	0	0
Enterococci	C003	0 number/100 ml	66	0	0	0	0
Fluoride	A027	1.5 mg F/l	69	0	0.098	0.218	0
Lead (>10 µg/l)	B007B	10 µg Pb/l	75	0	< 0.05	2	0
Mercury	B005	1 µg Hg/l	69	0	< 0.002	< 0.04	0
Nickel	B006A	20 µg Ni/l	69	0	0.7	8	0
Nitrate	A012	50 mg NO3/l	75	0	21.7	42.5	0
Nitrate/Nitrite Formula	A013C	1 mg NO2/l	68	0	0.437	0.853	0
Nitrite (Consumers tap)	A013A	0.5 mg NO2/l	77	0	< 0.01	< 0.01	0
Pesticides - Total Substances	B010	0.5 µg/l	8	0	0	0	0
Pesticides 2,4-D	P020	0.1 µg/l	1	0	< 0.006	< 0.006	0
Pesticides Aldrin	P002	0.03 µg/l	6	0	< 0.004	< 0.004	0
Pesticides Atrazine	P004	0.1 µg/l	1	0	0.003	0.003	0
Pesticides Bentazone	P006	0.1 µg/l	1	0	< 0.002	< 0.002	0
Pesticides Bromacil	P086	0.1 µg/l	1	0	< 0.003	< 0.003	0
Pesticides Carbetamide	P010	0.1 µg/l	1	0	< 0.002	< 0.002	0
Pesticides Chlortoluron	P014	0.1 µg/l	7	0	< 0.002	< 0.003	0
Pesticides Clopyralid	P018	0.1 µg/l	1	0	< 0.02	< 0.02	0
Pesticides Cyanazine	P092	0.1 µg/l	1	0	< 0.002	< 0.002	0
Pesticides Dichlorprop	P026	0.1 µg/l	1	0	< 0.006	< 0.006	0
Pesticides Dieldrin	P028	0.03 µg/l	6	0	< 0.004	< 0.004	0
Pesticides Diuron	P032	0.1 µg/l	7	0	< 0.003	0.003	0
Pesticides Heptachlor	P043	0.03 µg/l	6	0	< 0.002	< 0.002	0
Pesticides Heptachlor epoxide	P044	0.03 µg/l	6	0	< 0.003	< 0.003	0
Pesticides Isoproturon	P048	0.1 µg/l	6	0	< 0.002	0.002	0

Parameter Name	Parameter Code	Prescribed Concentration or Value	Total Number of Tests	Tests Failed	1 percentile (representing a minimum)	99 percentile (representing a maximum)	No. of zones failing standard
Pesticides Linuron	P051	0.1 µg/l	1	0	< 0.007	< 0.007	0
Pesticides MCPA	P054	0.1 µg/l	1	0	< 0.005	< 0.005	0
Pesticides MCPP(Mecoprop)	P053	0.1 µg/l	1	0	< 0.004	< 0.004	0
Pesticides Metaldehyde	P226	0.1 µg/l	1	0	< 0.005	< 0.005	0
Pesticides Prometryn	P070	0.1 µg/l	1	0	< 0.002	< 0.002	0
Pesticides Propazine	P066	0.1 µg/l	1	0	< 0.002	< 0.002	0
Pesticides Propyzamide	P071	0.1 µg/l	1	0	< 0.004	< 0.004	0
Pesticides Simazine	P073	0.1 µg/l	6	0	< 0.003	0.003	0
Pesticides Terbutryn	P077	0.1 µg/l	1	0	< 0.002	< 0.002	0
Pesticides Trietazine	P132	0.1 µg/l	1	0	< 0.003	< 0.003	0
Polycyclic aromatic hydrocarbons	B011F	0.1 µg/l	72	0	0	0	0
Selenium	B009	10 µg Se/l	65	0	0.36	1.57	0
Tetrachloroethene/Trichloroethene - sum of two substances	D009B	10 µg/l	70	0	0	1.6	0
Total Trihalomethanes	D011	100 µg/l	67	0	0.13	18	0
<b>Totals:</b>			<b>2,537</b>	<b>0</b>			

**Table CAM 10: Quality of water at consumer's tap (zones) - National Standards**

Parameter Name	Parameter Code	Prescribed Concentration or Value	Total Number of Tests	Tests Failed	1 percentile (representing a minimum)	99 percentile (representing a maximum)	No. of zones failing standard
Aluminium	A021	200 µg Al/l	70	0	< 2	84	0
Colour	A001	20 mg/l Pt/Co scale	161	0	< 0.7	3.452	0
Iron	A022	200 µg Fe/l	69	0	< 4	< 4.5	0
Manganese	A023	50 µg Mn/l	70	0	< 0.2	< 1	0
Organoleptic Odour	A003	0 Dilution number	209	0	0	0	0
Organoleptic Taste	A004	0 Dilution number	209	0	0	0	0
Sodium	A009	200 mg Na/l	70	0	8.63	25	0
Tetrachloromethane	D008	3 µg/l	70	0	< 0.03	0.07	0
Turbidity	A002	4 nephelometric turbidity units	172	0	< 0.06	0.3016	0
<b>Totals:</b>			<b>1,100</b>	<b>0</b>			

**Table CAM 11: Quality of water at consumer's tap (zones) - Additional Monitoring Requirements**

Parameter Name	Parameter Code	Prescribed Concentration or Value	Total Number of Tests	Tests exceeding specification	1 percentile (representing a minimum)	99 percentile (representing a maximum)
Ammonium (Indicator)	A014	0.5 mg NH <sub>4</sub> /l	166	0	< 0.0039	< 0.03
Chloride (Indicator)	D002A	250 mg Cl/l	75	0	14	62
Clostridium Perfringens (Indicator)	C004A	0 number/100 ml	6	0	0	0
Coliform Bacteria (Indicator)	C001A	0 number/100 ml	909	4	0	0
Colony Counts After 3 Days At 22°C (Indicator)	C007	No abnormal change	313	-n/a	0	20
Colony Counts After 48 Hours At 37°C (Indicator)	C013	No abnormal change	312	-n/a	0	7
Conductivity (Indicator)	D001	2500 µS/cm	161	0	368	738.14
Hydrogen ion (pH)	A006	6.5 - 9.5 pH Value	161	0	7.143	7.9
Residual Disinfectant - Free	C009	No abnormal change	922	-n/a	0.02	0.1777
Sulphate (Indicator)	A007	250 mg SO <sub>4</sub> /l	75	0	17	53
Total organic carbon (indicator)	A017	No abnormal change	68	-n/a	0.5	1.2
<b>Totals:</b>			<b>3,168</b>	<b>4</b>		