

Data summary tables for Cambridge Water Company Plc (CAM)

These tables contain a summary of results of monitoring undertaken by the water company in 2017 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 2017*.

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 2017

Table CAM 1: Quality of water leaving 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 (Total)	A013B	0.1 mg NO ₂ /l	172	0	< 0.006	< 0.01	0
Totals:			172	0			

Table CAM 2: Quality of water leaving 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
E coli (faecal coliforms Confirmed)	C002	0 number/100 ml	1,442	0	0	0	0
Total Coliforms (Confirmed)	C001	0 number/100 ml	1,442	0	0	0	0
Totals:			2,884	0			

Table CAM 3: Quality of water leaving 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 (Colony Counts)	C007	No abnormal change	2,452	-n/a	0	26
Residual Disinfectant - Free	C009	No abnormal change	2,453	-n/a	0.1	0.35
Turbidity - Indicator	A002A	1 nephelometric turbidity units	2,107	2	< 0.06	0.19
Totals:			7,012	2		

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
E coli (faecal coliforms Confirmed)	C002	0 number/100 ml	1,586	0	0	0	0
Total Coliforms (Confirmed)	C001	0 number/100 ml	1,586	1	0	0	0
Totals:			3,172	1			

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 22øc (Colony Counts)	C007	No abnormal change	1,586	-n/a	0	65
Residual Disinfectant - Free	C009	No abnormal change	1,587	-n/a	0.02	0.19
Totals:			3,173	0		

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 BrO ₃ /l	174	0	< 0.1	0.825	0
Pesticides (Total by Calculation)	B010	0.5 µg/l	170	0	0	0.06529	0
Pesticides 2,3,6-Tba	P074	0.1 µg/l	9	0	< 0.009	< 0.009	0
Pesticides Aldrin	P002	0.03 µg/l	179	0	< 0.004	0.0142	0
Pesticides Atrazine	P004	0.1 µg/l	51	0	< 0.002	0.022	0
Pesticides Bentazone	P006	0.1 µg/l	44	0	< 0.002	0.044	0
Pesticides Bromacil	P086	0.1 µg/l	8	0	< 0.003	< 0.003	0
Pesticides Carbetamide	P010	0.1 µg/l	19	0	< 0.002	< 0.01	0
Pesticides Chlortoluron	P014	0.1 µg/l	20	0	< 0.002	< 0.015	0
Pesticides Clopyralid	P018	0.1 µg/l	19	0	< 0.005	< 0.02	0
Pesticides Dicamba	P025	0.1 µg/l	20	0	< 0.01	< 0.015	0
Pesticides Dichlorprop	P026	0.1 µg/l	10	0	< 0.005	< 0.006	0
Pesticides Dieldrin	P028	0.03 µg/l	178	0	< 0.004	0.00684	0
Pesticides Diuron	P032	0.1 µg/l	13	0	< 0.003	< 0.005	0
Pesticides Glyphosate	P042	0.1 µg/l	36	0	< 0.003	< 0.003	0
Pesticides Heptachlor	P043	0.03 µg/l	178	0	< 0.002	0.01268	0
Pesticides Heptachlor Epoxide - Total (Trans, CIS) (Heptachlor Epoxide)	P044	0.03 µg/l	178	0	< 0.003	< 0.01221	0
Pesticides Linuron	P051	0.1 µg/l	8	0	< 0.005	< 0.007	0
Pesticides MCPA 4-chloro-o-tolyloxyacetic acid	P054	0.1 µg/l	29	0	< 0.005	< 0.005	0
Pesticides MCPB	P055	0.1 µg/l	19	0	< 0.005	< 0.007	0
Pesticides MCPP (Mecoprop)	P053	0.1 µg/l	39	0	< 0.004	< 0.005	0
Pesticides Metaldehyde	P226	0.1 µg/l	31	0	< 0.005	< 0.01	0
Pesticides Propazine	P066	0.1 µg/l	19	0	< 0.002	< 0.005	0
Pesticides Propyzamide	P071	0.1 µg/l	32	0	< 0.004	< 0.025	0
Pesticides Simazine	P073	0.1 µg/l	67	0	< 0.003	0.019	0
Pesticides Terbutryn	P077	0.1 µg/l	19	0	< 0.002	< 0.005	0
Pesticides Triclopyr	P131	0.1 µg/l	10	0	< 0.007	< 0.007	0
Pesticides Trietazine	P132	0.1 µg/l	19	0	< 0.003	< 0.01	0
Totals:			1,598	0			

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	C004A	0 number/100 ml	172	0	0	0
Gross Alpha	F004	0.1 Bq/l	112	0	< 0.02	0.08853
Gross Beta	F005	1 Bq/l	112	0	< 0.28	0.28
Totals:			396	0		

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 (Total)	F001	3 µg/l	69	0	< 0.04	< 0.06	0
Antimony	B008A	5 µg Sb/l	69	0	< 0.05	0.39	0
Arsenic (Total)	B001A	10 µg As/l	67	0	0.13	0.7	0
Benzene (Total)	F002	1 µg/l	69	0	< 0.01	< 0.08	0
Benzo[a]Pyrene (Total)	D007	0.01 µg/l	70	0	< 0.0008	< 0.002	0
Boron	D005A	1 mg B/l	67	0	0.013	< 0.05	0
Bromate	F003	10 µg BrO3/l	9	0	0.3	< 0.4	0
Cadmium (Total)	B002	5 µg Cd/l	68	0	< 0.01	< 0.06	0
Chromium (Total)	B004	50 µg Cr/l	68	0	< 0.06	0.4	0
Copper (Total)	A024A	2 mg Cu/l	65	0	0.0024	0.963	0
Cyanide (Total)	B003	50 µg CN/l	66	0	< 2	2	0
E coli (faecal coliforms Confirmed)	C002	0 number/100 ml	923	0	0	0	0
Enterococci (Confirmed)	C003	0 number/100 ml	66	0	0	0	0
Fluoride (Total)	A027	1.5 mg F/l	66	0	0.083	0.192	0
Lead (10 - will apply 25.12.2013)	B007B	10 µg Pb/l	67	0	< 0.05	5.1	0
Mercury (Total)	B005	1 µg Hg/l	66	0	< 0.02	< 0.04	0
Nickel (Total)	B006A	20 µg Ni/l	66	2	0.8	217	2
Nitrate (Total)	A012	50 mg NO3/l	67	0	27.9	43.6	0
Nitrite - Consumer's Taps	A013A	0.5 mg NO2/l	67	0	< 0.006	< 0.01	0
Nitrite/Nitrate formula	A013C	1 mg NO2/l	66	0	0.561	0.874	0
Pesticides (Total by Calculation)	B010	0.5 µg/l	7	0	0.006	0.025	0
Pesticides 2 4-D	P020	0.1 µg/l	2	0	< 0.005	< 0.005	0
Pesticides Aldrin	P002	0.03 µg/l	9	0	< 0.004	< 0.007	0
Pesticides Atrazine	P004	0.1 µg/l	2	0	< 0.005	0.005	0
Pesticides Bentazone	P006	0.1 µg/l	2	0	< 0.005	< 0.005	0
Pesticides Bromacil	P086	0.1 µg/l	2	0	< 0.003	< 0.003	0
Pesticides Carbetamide	P010	0.1 µg/l	2	0	< 0.005	< 0.005	0
Pesticides Chlortoluron	P014	0.1 µg/l	9	0	< 0.003	0.008	0
Pesticides Clopyralid	P018	0.1 µg/l	2	0	< 0.005	< 0.005	0
Pesticides Cyanazine	P092	0.1 µg/l	2	0	< 0.002	< 0.002	0
Pesticides Dichlorprop	P026	0.1 µg/l	2	0	< 0.005	< 0.005	0
Pesticides Dieldrin	P028	0.03 µg/l	9	0	< 0.004	< 0.006	0
Pesticides Diuron	P032	0.1 µg/l	9	0	< 0.003	< 0.005	0
Pesticides Heptachlor	P043	0.03 µg/l	9	0	< 0.002	< 0.007	0
Pesticides Heptachlor Epoxide - Total (Trans, CIS) (Heptachlor Epoxide)	P044	0.03 µg/l	9	0	< 0.003	< 0.012	0

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
Pesticides Isoproturon	P048	0.1 µg/l	9	0	< 0.002	< 0.005	0
Pesticides Linuron	P051	0.1 µg/l	2	0	< 0.005	< 0.005	0
Pesticides MCPA 4-chloro-o-tolyloxyacetic acid	P054	0.1 µg/l	2	0	< 0.005	< 0.005	0
Pesticides MCPP (Mecoprop)	P053	0.1 µg/l	2	0	< 0.005	< 0.005	0
Pesticides Metaldehyde	P226	0.1 µg/l	2	0	0.006	0.007	0
Pesticides Prometryne	P070	0.1 µg/l	2	0	< 0.005	< 0.005	0
Pesticides Propazine	P066	0.1 µg/l	2	0	< 0.005	< 0.005	0
Pesticides Propyzamide	P071	0.1 µg/l	2	0	< 0.008	< 0.008	0
Pesticides Simazine	P073	0.1 µg/l	9	0	< 0.005	0.02	0
Pesticides Terbutryn	P077	0.1 µg/l	2	0	< 0.005	< 0.005	0
Pesticides Trietazine	P132	0.1 µg/l	2	0	< 0.005	< 0.005	0
Polycyclic Aromatic Hydrocarbons (Total by Calculation)	B011F	0.1 µg/l	70	0	0	0	0
Selenium (Total)	B009	10 µg Se/l	67	0	0.52	2.1	0
Trichloroethene & Tetrachloroethene - Sum Of 2 Substances (Total by Calculation)	D009B	10 µg/l	70	0	0	2.42	0
Trihalomethanes (Total by Calculation)	D011	100 µg/l	69	0	0.5	21.4	0
Totals:			2,530	2			

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 (Total)	A021	200 µg Al/l	68	0	< 4.7	52.2	0
Colour	A001	20 mg/l Pt/Co scale	164	0	< 0.7	2.335	0
Iron (Total)	A022	200 µg Fe/l	68	0	< 3	140	0
Manganese (Total)	A023	50 µg Mn/l	68	0	< 0.9	3.3	0
Odour	A003	0 Dilution number	216	1	0	0	1
Sodium (Total)	A009	200 mg Na/l	67	0	7.3	119	0
Taste (Taste Quant)	A004	0 Dilution number	216	0	0	0	0
Tetrachloromethane (Total)	D008	3 µg/l	69	0	< 0.03	< 0.04	0
Turbidity	A002	4 nephelometric turbidity units	164	0	< 0.06	0.353	0
Totals:			1,100	1			

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 (Total)	A014	0.5 mg NH ₄ /l	164	0	< 0.0039	0.0601
Chloride	D002A	250 mg Cl/l	66	0	19	61
Clostridium Perfringens	C004A	0 number/100 ml	9	0	0	0
Coliform Bacteria (Indicator)	C001A	0 number/100 ml	923	0	0	0
Colony Counts After 3 Days At 22°C (Colony Counts)	C007	No abnormal change	306	-n/a	0	18
Conductivity (Electrical Conductivity)	D001	2500 µS/cm	164	0	475.85	715.85
Hydrogen ion (pH) - Indicator (Hydrogen ion) (pH)	A006	6.5 - 9.5 pH Value	205	0	7.2	8.588
Residual Disinfectant - Free	C009	No abnormal change	925	-n/a	0.02	0.18
Sulphate	A007	250 mg SO ₄ /l	66	0	20.3	50
Total Organic Carbon	A017	No abnormal change	66	-n/a	< 0.5	3.3
Totals:			2,894	0		