

## **Data summary tables for Cholderton and District Water Company Ltd (CHO)**

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 Cholderton & District Water Company Ltd

Report Date Range: For the whole year 2016

**Table CHO 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	16	0	< 0.01	< 0.01	0
<b>Totals:</b>			<b>16</b>	<b>0</b>			

**Table CHO 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	83	0	0	0	0
E coli	C002	0 number/100 ml	83	0	0	0	0
<b>Totals:</b>			<b>166</b>	<b>0</b>			

**Table CHO 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	83	-n/a	0	29
Colony Counts After 48 Hours At 37°C (Indicator)	C013	No abnormal change	83	-n/a	0	5
Residual Disinfectant - Free	C009	No abnormal change	84	-n/a	< 0.06	1.17
Residual Disinfectant - Total	C010	No abnormal change	84	-n/a	0.07	1.24
Combined Chlorine/Residual Disinfectant Combined*	-(n/a)	-(n/a)	(84)	-n/a	0	0.22
Turbidity (Indicator)	A002A	1 nephelometric turbidity units	84	0	< 0.1	0.2
<b>Totals:</b>			<b>418</b>	<b>0</b>		

\*Residual disinfectant combined is presented for information. It is not a parameter required by the regulations. It is derived from the parameters 'Residual Disinfectant - Total' minus 'Residual Disinfectant - Free'.

**Table CHO 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	52	0	0	0	0
E coli	C002	0 number/100 ml	52	0	0	0	0
<b>Totals:</b>			<b>104</b>	<b>0</b>			

**Table CHO 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	52	-n/a	0	18
Colony Counts After 48 Hours At 37°C (Indicator)	C013	No abnormal change	52	-n/a	0	2
Residual Disinfectant - Free	C009	No abnormal change	52	-n/a	0.13	0.41
Residual Disinfectant - Total	C010	No abnormal change	52	-n/a	0.21	0.55
Combined Chlorine/Residual Disinfectant Combined*	-(n/a)	-(n/a)	(52)	-n/a	0	0.18
<b>Totals:</b>			<b>208</b>	<b>0</b>		

\*Residual disinfectant combined is presented for information. It is not a parameter required by the regulations. It is derived from the parameters 'Residual Disinfectant - Total' minus 'Residual Disinfectant - Free'.

**Table CHO 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	42	0	0	0
Gross Alpha Activity	F004	0.1 Bq/l	3	0	< 0.02	0.048
Gross Beta Activity	F005	1 Bq/l	3	0	< 0.04	0.055
<b>Totals:</b>			<b>48</b>	<b>0</b>		

Table CHO 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	4	0	< 0.12	< 0.12	0
Antimony	B008A	5 µg Sb/l	4	0	< 0.1	< 0.1	0
Arsenic	B001A	10 µg As/l	4	0	< 0.2	0.2	0
Benzene	F002	1 µg/l	4	0	< 0.11	< 0.11	0
Benzo (a) Pyrene	D007	0.01 µg/l	4	0	< 0.0004	< 0.0004	0
Boron	D005A	1 mg B/l	4	0	0.05	0.06	0
Bromate	F003	10 µg BrO3/l	4	0	< 0.1	0.2	0
Cadmium	B002	5 µg Cd/l	4	0	< 0.1	< 0.1	0
Chromium	B004	50 µg Cr/l	4	0	< 1	< 1	0
Copper	A024A	2 mg Cu/l	6	0	0.03	0.95	0
Cyanide	B003	50 µg CN/l	4	0	< 2	< 2	0
E coli	C002	0 number/100 ml	14	0	0	0	0
Enterococci	C003	0 number/100 ml	5	0	0	0	0
Fluoride	A027	1.5 mg F/l	4	0	0.07	0.12	0
Lead (>10 µg/l)	B007B	10 µg Pb/l	4	0	0.4	0.6	0
Mercury	B005	1 µg Hg/l	4	0	< 0.05	< 0.05	0
Nickel	B006A	20 µg Ni/l	5	0	< 2	< 2	0
Nitrate	A012	50 mg NO3/l	4	0	39.9559	43.4073	0
Nitrate/Nitrite Formula	A013C	1 mg NO2/l	3	0	0.2	0.2	0
Nitrite (Consumers tap)	A013A	0.5 mg NO2/l	4	0	< 0.01	< 0.01	0
Pesticides - Total Substances	B010	0.5 µg/l	4	0	0.04	0.06	0
Pesticides 2,4-D	P020	0.1 µg/l	4	0	< 0.003	< 0.003	0
Pesticides Atrazine	P004	0.1 µg/l	4	0	0.03	0.035	0
Pesticides Chlorothalonil	P015	0.1 µg/l	4	0	< 0.008	< 0.008	0
Pesticides Chlortoluron	P014	0.1 µg/l	4	0	< 0.003	< 0.003	0
Pesticides Dicamba	P025	0.1 µg/l	4	0	< 0.006	< 0.006	0
Pesticides Dieldrin	P028	0.03 µg/l	4	0	< 0.003	< 0.003	0
Pesticides Isoproturon	P048	0.1 µg/l	4	0	< 0.003	< 0.003	0
Pesticides MCPA	P054	0.1 µg/l	4	0	< 0.002	< 0.002	0
Pesticides MCPP(Mecoprop)	P053	0.1 µg/l	4	0	< 0.002	< 0.002	0
Pesticides Metribuzin	P152	0.1 µg/l	4	0	< 0.002	< 0.002	0
Pesticides Propazine	P066	0.1 µg/l	4	0	< 0.002	< 0.002	0
Pesticides Simazine	P073	0.1 µg/l	4	0	0.009	0.01	0
Pesticides Trichlopyr	P131	0.1 µg/l	4	0	< 0.005	< 0.005	0
Polycyclic aromatic hydrocarbons	B011F	0.1 µg/l	4	0	0	0.0083	0
Selenium	B009	10 µg Se/l	4	0	< 0.5	< 0.5	0
Tetrachloroethene/Trichloroethene - sum of two substances	D009B	10 µg/l	4	0	< 0.5	< 0.5	0
Total Trihalomethanes	D011	100 µg/l	4	0	0	13.53	0
<b>Totals:</b>			<b>165</b>	<b>0</b>			

**Table CHO 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	5	0	< 10	< 10	0
Colour	A001	20 mg/l Pt/Co scale	4	0	< 0.5	1	0
Iron	A022	200 µg Fe/l	5	0	< 10	< 10	0
Manganese	A023	50 µg Mn/l	5	0	< 1	< 1	0
Organoleptic Odour	A003	0 Dilution number	2	0	0	0	0
Organoleptic Taste	A004	0 Dilution number	2	0	0	0	0
Sodium	A009	200 mg Na/l	9	0	16.7	20.9	0
Tetrachloromethane	D008	3 µg/l	4	0	< 0.07	< 0.07	0
Turbidity	A002	4 nephelometric turbidity units	6	0	< 0.1	0.21	0
<b>Totals:</b>			<b>42</b>	<b>0</b>			

**Table CHO 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	4	0	< 0.0256	< 0.0256
Chloride (Indicator)	D002A	250 mg Cl/l	4	0	37	45
Clostridium Perfringens (Indicator)	C004A	0 number/100 ml	5	0	0	0
Coliform Bacteria (Indicator)	C001A	0 number/100 ml	14	0	0	0
Colony Counts After 3 Days At 22°C (Indicator)	C007	No abnormal change	5	-n/a	0	2
Colony Counts After 48 Hours At 37°C (Indicator)	C013	No abnormal change	6	-n/a	0	2
Conductivity (Indicator)	D001	2500 µS/cm	6	0	576.167	638.577
Hydrogen ion (pH)	A006	6.5 - 9.5 pH Value	6	0	7.3	7.6
Residual Disinfectant - Free	C009	No abnormal change	14	-n/a	< 0.06	0.46
Residual Disinfectant - Total	C010	No abnormal change	14	-n/a	0.09	0.54
Combined Chlorine/Residual Disinfectant Combined*	-(n/a)	-(n/a)	(14)	-n/a	0.03	0.17
Sulphate (Indicator)	A007	250 mg SO <sub>4</sub> /l	5	0	23	23
Total organic carbon (indicator)	A017	No abnormal change	4	-n/a	0.83	1.9
<b>Totals:</b>			<b>87</b>	<b>0</b>		

\*Residual disinfectant combined is presented for information. It is not a parameter required by the regulations. It is derived from the parameters 'Residual Disinfectant - Total' minus 'Residual Disinfectant - Free'.