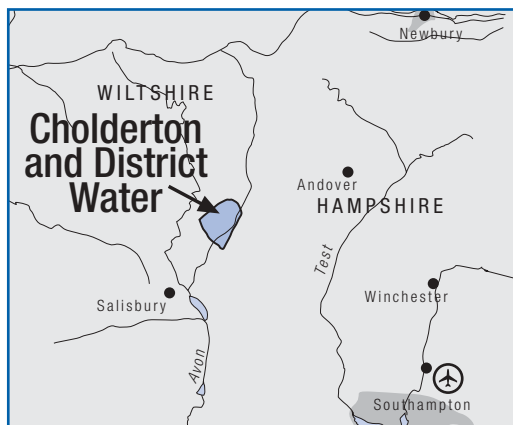


5 Cholderton and District Water Company Limited

Overall Water Quality supplied by Cholderton and District Water Company Limited in 2002

- A total of 547 tests were carried out on samples taken by Cholderton in 2002.
- Of these tests, 99.82% complied with the Regulations.



Company Information

Amount of Water Supplied:	0.6 MI/d
Consumers Supplied:	2,100
Areas of Supply:	Villages of Cholderton and Shipton Bellinger in Wiltshire
Water Composition:	100% from boreholes and aquifers
Treatment Works:	1
Service Reservoirs:	1
Km of Mains:	44
Water Supply Zones:	1

Water Quality at Treatment Works, in Service Reservoirs and in Water Supply Zones

To be wholesome, water must comply with the standards for the parameters set out in the Water Supply (Water Quality) Regulations 1989. In 2002, the Company carried out a total of 547 tests on samples taken at water treatment works, from service reservoirs and in water supply zones and of these, 99.82% complied with the relevant water quality standards set down in the Regulations. A list of the parameters, the relevant standards and their significance can be found at the beginning of this section.

Water Quality leaving Treatment works

	2002	2001	2000
Number of water treatment works	1	1	1
COLIFORMS			
Total number of tests	51	52	52
– number containing coliforms	0	0	0
– % containing coliforms	0.00%	0.00%	0.00%
Treatment works with coliforms detected	0	0	0
– % of all works with coliforms detected	0.00%	0.00%	0.00%
FAECAL COLIFORMS			
Total number of tests	51	52	52
– number containing faecal coliforms	0	0	0
– % containing faecal coliforms	0.00%	0.00%	0.00%
Treatment works with faecal coliforms detected	0	0	0
– % of all works with faecal coliforms detected	0.00%	0.00%	0.00%

There were no failures of the coliforms and faecal coliforms standards at the Company's works in 2002.

Cryptosporidium

The Company has no sites for regulatory *Cryptosporidium* monitoring.

Water Quality in Service Reservoirs

	2002	2001	2000
Number of service reservoirs	1	1	1
COLIFORMS			
Total number of samples	52	52	52
– number containing coliforms	0	1	0
– % containing coliforms	0.00%	1.92%	0.00%
Service reservoirs with coliforms detected	0	1	0
Service reservoirs with coliforms detected in more than 5% of samples	0	0	0
– % of all service reservoirs	0.00%	0.00%	0.00%
FAECAL COLIFORMS			
Total number of samples	52	52	52
– number containing faecal coliforms	0	1	0
– % containing faecal coliforms	0.00%	1.92%	0.00%
Service reservoirs with faecal coliforms detected	0	1	0
– % of all service reservoirs with faecal coliforms detected	0.00%	100.00%	0.00%

There were no failures of the coliform standard at the Company's service reservoir.

Water Quality in Water Supply Zones

The table below shows the data for the key parameters and any other parameters where there was a failure of the standard. All other parameters were fully compliant.

Parameter	Total number of tests	Tests not meeting the prescribed concentration or value		Number of failures covered by Undertakings	Number of zones not complying with the standards		
		No	%		2002	2001	2000
Coliforms	13	0	0.00	0	0	0	0
Faecal coliforms	13	0	0.00	0	0	0	0
Colour	4	0	0.00	0	0	0	0
Turbidity	13	0	0.00	0	0	0	0
Odour	1	0	0.00	0	0	0	0
Taste	1	0	0.00	0	0	0	0
Hydrogen ion	13	0	0.00	0	0	0	0
Nitrate	13	0	0.00	0	0	0	0
Nitrite	13	0	0.00	0	0	0	0
Aluminium	4	0	0.00	0	0	0	0
Iron	8	1	12.50	0	1	0	0
Manganese	4	0	0.00	0	0	0	0
Lead	1	0	0.00	0	0	0	0
PAH	2	0	0.00	0	0	0	0
Trihalomethanes	1	0	0.00	0	0	0	0
Total pesticides	13	0	0.00	0	0	0	0
Other pesticides	68	0	0.00	0	0	0	0
All others	156	0	0.00	0	0	0	0
TOTAL	341	1	0.29%	0			

1 zone in 2000, 2001 and 2002

The New Regulations

In 2002, the Company carried out monitoring for the six new parametric values set down in the new Water Supply (Water Quality) Regulations 2000. These Regulations come into force on 25 December 2003. The results are shown in the table below.

Parameter	Total number of tests	New standard	Tests not meeting the new standard
Benzene	4	1.0 µg/l	0
Bromate	4	10.0 µg/l	0
1,2 dichloroethane	4	3.0 µg/l	0
Nitrite (ex-water treatment works)	13	0.1 mg/l	0
<i>Clostridium perfringens</i>	4	0/100 ml	0
Enterococci	2	0/100 ml	0

Compliance data for 2002 has also been analysed against the revised standards and the results are shown in the following table.

Parameter	Total number of tests	Current Standard	Number of tests not meeting current standard	Revised Standard	Number of tests not meeting revised standard
Antimony	1	10.0 µg/l	0	5.0 µg/l	0
Arsenic	1	50.0 µg/l	0	10.0 µg/l	0
Boron	1	2.0 mg/l	0	1.0 mg/l	0
Copper	1	3.0 mg/l	0	2.0 mg/l	0
Lead	1	50.0 µg/l	0	25.0 µg/l ¹ 10.0 µg/l ²	0
Nickel	1	50.0 µg/l	0	20.0 µg/l	0
Nitrite (at consumers' taps)	13	0.1 mg/l	0	0.5 mg/l	0
PAH	2	0.2 µg/l	0	0.1 µg/l	0
Tetrachloroethene	1	30.0 µg/l	0	} 10.0 µg/l	0
Trichloroethene	1	10.0 µg/l	0		

Details of the new and revised standards, and the reasons for the revisions where applicable, can be found in chapter J “New Regulations and Associated Programmes of Work”.

- 1 from 25.12.03
- 2 from 25.12.13

Company Audit and Inspection

The Company was inspected or audited by the Inspectorate on a number of occasions during 2002. Where relevant, report summaries are available in the ‘Business and Technical’ section of the Inspectorate’s web site under ‘Audit and Inspection’.

Audit or Inspection	Date
Inspection of one water treatment works	July 2002
Audit trails of three test results	October 2002

A number of recommendations were made in respect of action required to avoid the risk of a breach of a regulatory duty. These recommendations were in relation to the audit trails and required action by the Company’s contract laboratory.

Incidents

No events were notified during 2002 by the Company. For further details on the classification of incidents, see chapter C “Events affecting Water Quality” in Part 3.

Enforcement Action

No enforcement action was considered for the Company as a result of the Inspectorate activities during 2002.

Improvement Programmes

No improvement programmes were due for completion during 2002.