

Data Summary Tables for Tendring Hundred Water Services Ltd (THD)

These tables contain a summary of results of monitoring undertaken by the water company in 2008 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 2008'.

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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Site Summary Data for Tendring Hundred Water Services Ltd

Report Date Range: For the whole year 2008

Table THD 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 (Works)	A013B	0.1 mg NO ₂ /l	20	0	< 0.005	< 0.008	0
Totals:			20	0			

Table THD 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
Coliform Bacteria	C001	0 number/100 ml	522	0	0	0	0
E Coli	C002	0 number/100 ml	522	0	0	0	0
Totals:			1,044	0			

Table THD 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 (Indicator)	C007	No abnormal change	522	N/A	0	22.31
Colony Counts After 48 Hours At 37°C (Indicator)	C013	No abnormal change	522	N/A	0	8.77
Residual Disinfectant - Total	C010	No abnormal change	522	N/A	0.11	0.838
Turbidity (Indicator)	A002A	1 nephelometric turbidity unit	522	0	0.05	0.338
Totals:			2,088	0		

Table THD 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	407	0	0	0	0
E Coli	C002	0 number/100 ml	407	0	0	0	0
Totals:			814	0			

Table THD 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	407	N/A	0	356.8
Colony Counts After 48 Hours At 37°C (Indicator)	C013	No abnormal change	407	N/A	0	22.6
Residual Disinfectant - Total	C010	No abnormal change	407	N/A	< 0.02	0.53
Totals:			1,221	0		

Table THD 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 with failures
1,2 Dichloroethane	F001	3 µg/l	32	0	< 0.1	< 0.1	0
Antimony	B008A	5 µg Sb/l	32	0	0.236	0.578	0
Arsenic	B001A	10 µg As/l	32	0	< 1	2.06	0
Benzene	F002	1 µg/l	32	0	< 0.01	< 0.01	0
Benzo (a) Pyrene	D007	0.01 µg/l	32	0	< 0.001	< 0.001	0
Boron	D005A	1 mg B/l	32	0	< 0.1	0.12	0
Bromate	F003	10 µg BrO ₃ /l	32	0	< 0.5	4	0
Cadmium	B002	5 µg Cd/l	32	0	< 0.2	< 0.2	0
Chromium	B004	50 µg Cr/l	32	0	< 2	2.06	0
Copper	A024A	2 mg Cu/l	32	0	< 0.01	0.732	0
Cyanide	B003	50 µg CN/l	32	0	< 3	9	0
E Coli	C002	0 number/100 ml	396	0	0	0	0
Enterococci	C003	0 number/100 ml	32	0	0	0	0
Fluoride	A027	1.5 mg F/l	32	0	0.159	0.847	0
Lead	B007A	25 µg Pb/l	32	0	< 1	6.12	0
Mercury	B005	1 µg Hg/l	32	0	< 0.1	< 0.1	0
Nickel	B006A	20 µg Ni/l	32	0	2.17	9.06	0
Nitrate	A012	50 mg NO ₃ /l	32	0	2.1	28.2	0
Nitrate/Nitrite Formula	A013C	1 mg NO ₂ /l	32	0	< 0.042	0.567	0
Nitrite (Consumers tap)	A013A	0.5 mg NO ₂ /l	32	0	< 0.008	< 0.008	0
Pesticides - Total Substances	B010	0.5 µg/l	32	0	0	0.122	0
Pesticides 2,4-D	P020	0.1 µg/l	32	0	< 0.008	0.009	0
Pesticides Aldrin	P002	0.03 µg/l	32	0	< 0.006	< 0.006	0
Pesticides Atrazine	P004	0.1 µg/l	32	0	< 0.007	< 0.007	0
Pesticides Bentazone	P006	0.1 µg/l	32	0	< 0.008	< 0.008	0
Pesticides Carbetamide	P010	0.1 µg/l	32	0	< 0.008	< 0.008	0
Pesticides Chlortoluron	P014	0.1 µg/l	32	0	< 0.007	< 0.007	0
Pesticides Clopyralid	P018	0.1 µg/l	32	1	< 0.008	0.104	1
Pesticides Cyanazine	P092	0.1 µg/l	32	0	< 0.007	< 0.007	0
Pesticides Dicamba	P025	0.1 µg/l	32	0	< 0.007	< 0.007	0
Pesticides Dichlorprop	P026	0.1 µg/l	32	0	< 0.008	< 0.008	0
Pesticides Dieldrin	P028	0.03 µg/l	32	0	< 0.006	< 0.006	0
Pesticides Diuron	P032	0.1 µg/l	32	0	< 0.006	0.014	0
Pesticides Fluroxypyr	P040	0.1 µg/l	32	0	< 0.008	< 0.008	0

Pesticides Heptachlor	P043	0.03 µg/l	32	0	< 0.006	< 0.006	0
Pesticides Heptachlor epoxide	P044	0.03 µg/l	32	0	< 0.007	< 0.007	0
Pesticides Isoproturon	P048	0.1 µg/l	32	0	< 0.006	< 0.006	0
Pesticides Linuron	P051	0.1 µg/l	32	0	< 0.009	< 0.009	0
Pesticides MCPA	P054	0.1 µg/l	32	0	< 0.008	< 0.008	0
Pesticides MCPB	P055	0.1 µg/l	32	0	< 0.008	< 0.008	0
Pesticides MCPP(Mecoprop)	P053	0.1 µg/l	32	0	< 0.008	< 0.008	0
Pesticides Simazine	P073	0.1 µg/l	32	0	< 0.008	0.036	0
Pesticides Trietazine	P132	0.1 µg/l	32	0	< 0.008	< 0.008	0
Polycyclic aromatic hydrocarbons	B011F	0.1 µg/l	32	0	0	0.001	0
Selenium	B009	10 µg Se/l	32	0	< 1	2.19	0
Tetrachloroethene/Trichloroethene - sum of two substances	D009B	10 µg/l	32	0	0	0	0
Total Trihalomethanes	D011	100 µg/l	32	0	8.83	62.61	0
Totals:			1,868	1			

Table THD 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 with failures
Aluminium	A021	200 µg Al/l	76	0	< 5	11.8	0
Colour	A001	20 mg/l Pt/Co scale	75	0	< 1	4.2	0
Iron	A022	200 µg Fe/l	77	0	< 15	156	0
Manganese	A023	50 µg Mn/l	77	0	< 2	2.67	0
Organoleptic Odour	A003	<1 dilution number at 25°C	75	0			0
Organoleptic Taste	A004	<1 dilution number at 25°C	75	0			0
Sodium	A009	200 mg Na/l	32	0	40.6	67.2	0
Tetrachloromethane	D008	3 µg/l	32	0	< 0.12	< 0.12	0
Turbidity	A002	4 nephelometric turbidity units	148	0	0.06	0.34	0
Totals:			667	0			

Table THD 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 ₄ /l	75	0	< 0.04	0.22
Chloride (Indicator)	D002A	250 mg Cl/l	32	0	68	82
Clostridium Perfringens (Indicator)	C004A	0 number/100 ml	76	0	0	0
Coliform Bacteria (Indicator)	C001A	0 number/100 ml	396	1	0	0
Colony Counts After 3 Days At 22°C (Indicator)	C007	No abnormal change	148	N/A	0	166.71
Colony Counts After 48 Hours At 37°C (Indicator)	C013	No abnormal change	148	N/A	0	5213.68
Conductivity (Indicator)	D001	2500 µS/cm	148	0	629.94	845.06
Gross Alpha Activity	F004	0.1 Bq/l	32	0	< 0.007	< 0.05
Gross Beta Activity	F005	1 Bq/l	32	0	< 0.05	0.27
Hydrogen ion (pH)	A006	6.5 - 9.5 pH range	148	0	7.049	7.951
Residual Disinfectant - Total	C010	No abnormal change	396	N/A	< 0.02	0.331
Sulphate (Indicator)	A007	250 mg SO ₄ /l	32	0	52	112
Total organic carbon (indicator)	A017	No abnormal change	32	N/A	1.4	7.1
Tritium (Indicator)	F006	100 Bq/l	32	0	< 5	< 10
Totals:			1,727	1		