

Data Summary Tables for Thames Water (TMS)

These tables contain a summary of results of monitoring undertaken by the water company in 2006 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 2006'.

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.

Published June 26th 2007
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Data Summary 2006 for THAMES WATER UTILITIES LTD

Table TMS 1: Quality of water leaving treatment works - European Standards

Parameter	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	A013B	0.1 mg NO ₂ /l	4624	0	<0.01	0.02	0
TOTAL	-	-	4624	0	-	-	-

Table TMS 2: Quality of water leaving treatment works - National Standards

Parameter	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	19266	12	0	0	8
Cryptosporidium	C111	oocysts >1 in10 litres	4701	0	<0.01	<0.01	0
<i>E. coli</i>	C002	0 number/100 ml	19266	1	0	0	1
TOTAL	-	-	43233	13	-	-	-

Table TMS 3: Quality of water leaving treatment works - Additional Monitoring Requirements

Indicator Parameter	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	C007	No abnormal change	19259	n/a	0	19
Colony Counts After 48 Hours At 37°C	C013	No abnormal change	19269	n/a	0	9
Residual Disinfectant - Total	C010	No abnormal change	19312	n/a	0.23	0.93
Turbidity	A002A	1 NTU	19201	9	<0.09	0.26
TOTAL	-	-	77041	9	-	-

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

Parameter	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	19199	23	0	0	1
<i>E. coli</i>	C002	0 number/100 ml	19199	2	0	0	2
TOTAL	-	-	38398	25	-	-	-

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

Indicator Parameter	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	C007	No abnormal change	19154	n/a	0	262
Colony Counts After 48 Hours At 37°C	C013	No abnormal change	19156	n/a	0	41
Residual Disinfectant - Total	C010	No abnormal change	19218	n/a	0.06	0.77
TOTAL	-	-	57528	0	-	-

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

Parameter	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	893	1	<0.6	6.118	1
Cyanide	B003	50 µg CN/l	903	0	<2	3.96	0
Mercury	B005	1 µg Hg/l	894	0	<0.05	<0.05	0
Pesticides (2,3,6-Tba)	P074	µg/l	914	0	<0.004	<0.004	0
Pesticides (2,4,5-T)	P076	µg/l	914	0	<0.002	<0.002	0
Pesticides (2,4,-Db)	P082	µg/l	907	0	<0.004	<0.004	0
Pesticides (2,4-D)	P020	µg/l	914	0	<0.002	0.00485	0
Pesticides (Ametryn)	P222	µg/l	915	0	<0.011	<0.02	0
Pesticides (Atrazine)	P004	µg/l	915	0	<0.006	0.03984	0
Pesticides (Bentazone)	P006	µg/l	914	0	<0.003	0.014	0
Pesticides (Bromoxynil)	P008	µg/l	914	0	<0.002	<0.002	0
Pesticides (Carbetamide)	P010	µg/l	915	0	<0.006	<0.02	0
Pesticides (Chlortoluron)	P014	µg/l	915	0	<0.008	<0.02	0
Pesticides (Dicamba)	P025	µg/l	914	0	<0.004	<0.004	0
Pesticides (Dichlorprop)	P026	µg/l	914	0	<0.003	<0.003	0
Pesticides (Diuron)	P032	µg/l	915	0	<0.006	0.027	0
Pesticides (Fenoprop)	P105	µg/l	914	0	<0.002	<0.002	0
Pesticides (Fluroxypyr)	P040	µg/l	914	0	<0.004	<0.004	0
Pesticides (Ioxynil)	P049	µg/l	914	0	<0.001	<0.001	0
Pesticides (Isoproturon)	P048	µg/l	915	0	<0.004	0.05284	0
Pesticides (Linuron)	P051	µg/l	915	0	<0.017	<0.02	0
Pesticides (MCPA)	P054	µg/l	914	0	<0.002	0.007	0
Pesticides (MCPB)	P055	µg/l	914	0	<0.002	<0.002	0
Pesticides (MCPP(Mecoprop))	P053	µg/l	914	0	<0.003	0.012	0
Pesticides (Monuron)	P113	µg/l	915	0	<0.004	<0.02984	0
Pesticides (Pentachlorophenol)	P060	µg/l	914	0	<0.002	0.004	0
Pesticides (Picloram)	P122	µg/l	914	0	<0.01	0.016	0
Pesticides (Prometryn)	P070	µg/l	915	0	<0.013	<0.03	0
Pesticides (Propazine)	P066	µg/l	915	0	<0.007	<0.02	0
Pesticides (Propyzamide)	P071	µg/l	915	0	<0.015	<0.04	0
Pesticides (Simazine)	P073	µg/l	915	0	<0.005	0.022	0
Pesticides (Tebuthiuron)	P189	µg/l	915	0	<0.004	<0.02	0
Pesticides (Terbutryn)	P077	µg/l	915	0	<0.013	<0.03	0
Pesticides (Trichlopyr)	P131	µg/l	914	0	<0.002	0.00285	0

Pesticides - Total Substances	B010	0.5 µg/l	937	0	0	0.098	0
TOTAL	-	-	31968	1	-	-	-

Table TMS 7: Quality of water leaving bulk supply points - Additional Monitoring Requirements

Indicator Parameter	Parameter Code	Prescribed Concentration or Value	Total number of tests	Tests Exceeding Specification	1 percentile (representing a minimum)	99 percentile (representing a maximum)
<i>Clostridium perfringens</i>	C004A	0 number/100 ml	1504	0	0	0
Radioactivity - Gross Alpha	F004	0.1 Bq/l	279	0	<0.03	0.072
Radioactivity - Gross Beta	F005	1 Bq/l	279	0	0.03	0.306
Total Organic Carbon (TOC)	A017	No abnormal change	902	n/a	0.3	3.3
TOTAL	-	-	2964	0	-	-

Table TMS 8: Quality of water at consumer's tap (zones) - European Standards

Parameter	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	1802	0	<0.1	<0.1	0
Antimony	B008A	5 µg Sb/l	1812	0	<0.5	1.7	0
Arsenic	B001A	10 µg As/l	1813	0	<0.8	1.6	0
Benzene	F002	1 µg/l	1802	0	<0.1	<0.1	0
Benzo (a) Pyrene	D007	0.01 µg/l	1801	0	<0.001	0.001	0
Boron	D005A	1 mg B/l	1815	0	<0.07	0.153	0
Bromate	F003	10 µg BrO ₃ /l	186	0	<0.6	4.63	0
Cadmium	B002	5 µg Cd/l	1812	0	<0.5	<0.5	0
Chromium	B004	50 µg Cr/l	1811	0	<5	17.88	0
Copper	A024A	2 mg Cu/l	1809	0	<0.002	0.3065	0
Cyanide	B003	50 µg CN/l	12	0	<2	2	0
<i>E. coli</i>	C002	0 number/100 ml	21486	4	0	0	4
Enterococci	C003	0 number/100 ml	1810	2	0	0	2
Fluoride	A027	1.5 mg F/l	1792	0	0.024	0.59859	0
Lead	B007A	25 µg Pb/l	12602	59	<0.5	18.291	48
Mercury	B005	1 µg Hg/l	12	0	<0.05	<0.05	0
Nickel	B006A	20 µg Ni/l	1815	2	<2	8	2
Nitrate	A012	50 mg NO ₃ /l	6326	0	6.781	39.2	0
Nitrite	A013A	0.5 mg NO ₂ /l	6326	1	<0.01	0.1473	1
Nitrate/Nitrite Formula	A013C	1 mg NO ₂ /l	6326	0	<0.3	0.79	0
Polycyclic aromatic hydrocarbons (PAHs)	B011F	0.1 µg/l	1801	0	0	0.00598	0
Selenium	B009	10 µg Se/l	1812	0	<0.5	4.8	0
Tetrachloroethene/Trichloroethene	D009B	10 µg/l	1802	0	0	2.2	0
Trihalomethanes (THMs)	D011	100 µg/l	1802	0	0.012	39.6	0
Pesticides (2,3,6-Tba)	P074	µg/l	12	0	<0.004	<0.004	0
Pesticides (2,4,5-T)	P076	µg/l	12	0	<0.002	<0.002	0
Pesticides (2,4,-Db)	P082	µg/l	12	0	<0.004	<0.004	0
Pesticides (2,4-D)	P020	µg/l	12	0	<0.002	<0.002	0
Pesticides (Ametryn)	P222	µg/l	12	0	<0.011	<0.02	0
Pesticides (Atrazine)	P004	µg/l	12	0	<0.006	0.013	0
Pesticides (Bentazone)	P006	µg/l	12	0	<0.003	<0.003	0
Pesticides (Bromoxynil)	P008	µg/l	12	0	<0.002	<0.002	0
Pesticides (Carbetamide)	P010	µg/l	12	0	<0.006	0.045	0
Pesticides (Chlortoluron)	P014	µg/l	12	0	<0.008	<0.02	0
Pesticides (Dicamba)	P025	µg/l	12	0	<0.004	<0.004	0
Pesticides (Dichlorprop)	P026	µg/l	12	0	<0.003	<0.003	0

Pesticides (Diuron)	P032	µg/l	12	0	<0.006	<0.02	0
Pesticides (Fenoprop)	P105	µg/l	12	0	<0.002	<0.002	0
Pesticides (Fluroxypyr)	P040	µg/l	12	0	<0.004	0.004	0
Pesticides (Ioxynil)	P049	µg/l	12	0	<0.001	<0.001	0
Pesticides (Isoproturon)	P048	µg/l	12	0	<0.004	<0.02	0
Pesticides (Linuron)	P051	µg/l	12	0	<0.017	<0.02	0
Pesticides (MCPA)	P054	µg/l	12	0	<0.002	<0.002	0
Pesticides (MCPB)	P055	µg/l	12	0	<0.002	0.016	0
Pesticides (MCPB(Mecoprop))	P053	µg/l	12	0	<0.003	<0.003	0
Pesticides (Monuron)	P113	µg/l	12	0	<0.004	<0.02	0
Pesticides (Pentachlorophenol)	P060	µg/l	12	0	<0.002	0.002	0
Pesticides (Picloram)	P122	µg/l	12	0	<0.01	0.013	0
Pesticides (Prometryn)	P070	µg/l	12	0	<0.013	<0.03	0
Pesticides (Propazine)	P066	µg/l	12	0	<0.007	<0.02	0
Pesticides (Propyzamide)	P071	µg/l	12	0	<0.015	<0.04	0
Pesticides (Simazine)	P073	µg/l	12	0	<0.005	0.032	0
Pesticides (Tebuthiuron)	P189	µg/l	12	0	<0.004	<0.02	0
Pesticides (Terbutryn)	P077	µg/l	12	0	<0.013	<0.03	0
Pesticides (Trichlopyr)	P131	µg/l	12	0	<0.002	<0.002	0
Pesticides - Total Substances	B010	0.5 µg/l	13	0	0	0.047	0
TOTAL	-	-	82572	68	-	-	-

Table TMS 9: Quality of water at consumer's tap (zones) - National Standards

Parameter	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	7286	5	<15	27.13	5
Colour	A001	20 mg/l Pt/Co scale	7817	1	<0.6	3.5	1
Hydrogen ion (pH)	A006	6.5 -10 pH value	7814	0	7.1	8.2	0
Iron	A022	200 µg Fe/l	7638	10	<12	85.61	8
Manganese	A023	50 µg Mn/l	7291	0	<3	5	0
Organoleptic Odour	A003	Dilution no. 3 at 25°C	4311	2	0	0	1
Organoleptic Taste	A004	Dilution no. 3 at 25°C	4297	0	0	0	0
Sodium	A009	200 mg Na/l	1811	0	<1	80.784	0
Tetrachloromethane	D008	3 µg/l	1802	0	<0.2	0.3	0
Turbidity	A002	4 NTUs	7821	2	<0.09	0.51	2
TOTAL	-	-	57888	20	-	-	-

Table TMS 10: Quality of water at consumer's tap (zones) - Additional Monitoring Requirements

Indicator Parameter	Parameter Code	Prescribed Concentration or Value	Total number of tests	Tests Exceeding Specification	1 percentile (representing a minimum)	99 percentile (representing a maximum)
Ammonium	A014	0.5 mg NH ₄ /l	7808	1	<0.05	0.17
Chloride	D002A	250 mg Cl/l	1849	0	11	81
<i>Clostridium perfringens</i>	C004A	0 number/100 ml	5717	1	0	0
Coliform Bacteria	C001A	0 number/100 ml	21486	139	0	0
Colony Counts After 3 Days At 22°C	C007	No abnormal change	8024	n/a	0	180
Colony Counts After 48 Hours At 37°C	C013	No abnormal change	8024	n/a	0	93
Conductivity	D001	2500 µS/cm	7814	0	400.15	780
Hydrogen ion (pH)	A006A	9.5 pH Value	7814	0	7.1	8.2
Radioactivity - Gross Alpha	F004	0.1 Bq/l	13	0	<0.03	0.04
Radioactivity - Gross Beta	F005	1 Bq/l	13	0	0.07	0.27
Residual Disinfectant - Total	C010	No abnormal change	21536	n/a	0.0937	0.7
Sulphate	A007	250 mg SO ₄ /l	1848	0	7.2	101.655
Total Organic Carbon (TOC)	A017	No abnormal change	12	n/a	0.5	3.7
TOTAL	-	-	91958	141	-	-