

Data summary tables for Thames Water (TMS)

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 Thames Water Utilities Ltd

Report Date Range: For the whole year 2017

Table TMS 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	4,395	0	< 0.01	0.01	0
Totals:			4,395	0			

Table TMS 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	17,020	0	0	0	0
Total Coliforms (Confirmed)	C001	0 number/100 ml	17,020	5	0	0	5
Totals:			34,040	5			

Table TMS 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	17,026	-n/a	0	17
Colony Counts After 48 Hours At 37°C (Colony Counts)	C013	No abnormal change	5,614	-n/a	0	3
Residual Disinfectant - Total	C010	No abnormal change	17,034	-n/a	0.29	0.94
Turbidity - Indicator	A002A	1 nephelometric turbidity units	17,029	6	< 0.06	0.2
Totals:			56,703	6		

Table TMS 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	19,362	0	0	0	0
Total Coliforms (Confirmed)	C001	0 number/100 ml	19,362	11	0	0	0
Totals:			38,724	11			

Table TMS 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	19,345	-n/a	0	46
Colony Counts After 48 Hours At 37øc (Colony Counts)	C013	No abnormal change	6,431	-n/a	0	12
Residual Disinfectant - Total	C010	No abnormal change	19,380	-n/a	0.12	0.76
Totals:			45,156	0		

Table TMS 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	695	0	< 0.3	2.304	0
Cyanide (Total)	B003	50 µg CN/l	695	0	< 0.5	5.612	0
Mercury (Total)	B005	1 µg Hg/l	694	0	< 0.03	< 0.09	0
Pesticides (Total by Calculation)	B010	0.5 µg/l	741	0	0	0.081	0
Pesticides 2 4-D	P020	0.1 µg/l	699	0	< 0.004	< 0.004	0
Pesticides 2 4-DB	P082	0.1 µg/l	699	0	< 0.005	< 0.005	0
Pesticides 2,4,5-T	P076	0.1 µg/l	699	0	< 0.005	< 0.005	0
Pesticides Ametryn	P222	0.1 µg/l	704	0	< 0.002	< 0.002	0
Pesticides Atrazine	P004	0.1 µg/l	707	0	< 0.005	0.03592	0
Pesticides Bentazone	P006	0.1 µg/l	699	0	< 0.005	0.005	0
Pesticides Bromoxynil	P008	0.1 µg/l	699	0	< 0.005	< 0.005	0
Pesticides Carbenazim (Total)	P150	0.1 µg/l	707	0	< 0.002	< 0.002	0
Pesticides Carbetamide	P010	0.1 µg/l	707	0	< 0.003	0.004	0
Pesticides Chlortoluron	P014	0.1 µg/l	707	0	< 0.003	0.00692	0
Pesticides Clopyralid	P018	0.1 µg/l	699	0	< 0.01	0.016	0
Pesticides Dicamba	P025	0.1 µg/l	699	0	< 0.007	< 0.007	0
Pesticides Dichlorprop	P026	0.1 µg/l	699	0	< 0.004	< 0.004	0
Pesticides Diuron	P032	0.1 µg/l	707	0	< 0.003	0.025	0
Pesticides Fenoprop	P105	0.1 µg/l	699	0	< 0.004	< 0.004	0
Pesticides Flufenacet	P230	0.1 µg/l	185	0	< 0.003	< 0.003	0
Pesticides Fluroxypyr	P040	0.1 µg/l	699	0	< 0.006	< 0.006	0
Pesticides Ioxynil	P049	0.1 µg/l	699	0	< 0.005	< 0.005	0
Pesticides Isoproturon	P048	0.1 µg/l	707	0	< 0.004	< 0.004	0
Pesticides Linuron	P051	0.1 µg/l	705	0	< 0.004	< 0.004	0
Pesticides MCPA 4-chloro-o-tolyloxyacetic acid	P054	0.1 µg/l	699	0	< 0.006	< 0.006	0
Pesticides MCPB	P055	0.1 µg/l	699	0	< 0.004	< 0.004	0
Pesticides MCPP (Mecoprop)	P053	0.1 µg/l	699	0	< 0.008	< 0.008	0
Pesticides Metaldehyde	P226	0.1 µg/l	700	0	< 0.005	0.06196	0
Pesticides Metazachlor	P203	0.1 µg/l	191	0	< 0.002	< 0.002	0
Pesticides Monuron	P113	0.1 µg/l	707	0	< 0.003	0.00792	0
Pesticides Pentachlorophenol	P060	0.1 µg/l	699	0	< 0.004	< 0.004	0
Pesticides Picloram (Total)	P122	0.1 µg/l	699	0	< 0.008	0.009	0
Pesticides Prometryne	P070	0.1 µg/l	704	0	< 0.002	< 0.002	0
Pesticides Propazine	P066	0.1 µg/l	704	0	< 0.002	< 0.002	0
Pesticides Propyzamide	P071	0.1 µg/l	705	0	< 0.004	0.006	0
Pesticides Quinmerac	P244	0.1 µg/l	192	0	< 0.004	0.0077	0

Table TMS 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
Pesticides Simazine	P073	0.1 µg/l	707	0	< 0.005	0.01992	0
Pesticides Tebuthiuron	P189	0.1 µg/l	702	0	< 0.002	< 0.002	0
Pesticides Terbutryn	P077	0.1 µg/l	704	0	< 0.003	< 0.003	0
Pesticides Triclopyr	P131	0.1 µg/l	699	0	< 0.005	< 0.005	0
Radon	F031	100 Bq/l	19	0	< 10	< 10	0
Totals:			26,579	0			

Table TMS 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	7,883	2	0	0
Gross Alpha	F004	0.1 Bq/l	171	0	< 0.03	0.09
Gross Beta	F005	1 Bq/l	156	0	< 0.03	0.21
Total Organic Carbon	A017	No abnormal change	694	-n/a	< 0.3	2.905
Totals:			8,904	2		

Table TMS 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	2,182	0	< 0.2	< 0.2	0
Antimony	B008A	5 µg Sb/l	1,942	0	< 0.1	0.5	0
Arsenic (Total)	B001A	10 µg As/l	1,942	0	< 0.3	1.5	0
Benzene (Total)	F002	1 µg/l	2,182	0	< 0.1	< 0.1	0
Benzo[a]Pyrene (Total)	D007	0.01 µg/l	2,006	0	< 0.001	< 0.001	0
Boron	D005A	1 mg B/l	1,944	0	0.012	0.11555	0
Bromate	F003	10 µg BrO3/l	124	0	< 0.3	3.175	0
Cadmium (Total)	B002	5 µg Cd/l	1,943	0	< 0.1	< 0.1	0
Chromium (Total)	B004	50 µg Cr/l	1,944	0	< 0.9	1.3	0
Copper (Total)	A024A	2 mg Cu/l	1,931	0	< 0.002	0.40056	0
Cyanide (Total)	B003	50 µg CN/l	10	0	< 0.5	1.1	0
E coli (faecal coliforms Confirmed)	C002	0 number/100 ml	25,433	4	0	0	4
Enterococci (Confirmed)	C003	0 number/100 ml	1,931	1	0	0	1
Fluoride (Total)	A027	1.5 mg F/l	1,929	0	0.067	0.4135	0
Lead (10 - will apply 25.12.2013)	B007B	10 µg Pb/l	1,932	20	< 0.2	10.267	18
Mercury (Total)	B005	1 µg Hg/l	10	0	< 0.03	< 0.09	0
Nickel (Total)	B006A	20 µg Ni/l	1,931	3	< 0.6	7.472	3
Nitrate (Total)	A012	50 mg NO3/l	7,179	0	7.6	41.5	0
Nitrite - Consumer's Taps	A013A	0.5 mg NO2/l	7,181	0	< 0.01	0.17	0
Nitrite/Nitrate formula	A013C	1 mg NO2/l	7,179	0	0.15	0.83	0
Pesticides (Total by Calculation)	B010	0.5 µg/l	12	0	0	0.157	0
Pesticides 2 4-D	P020	0.1 µg/l	9	0	< 0.004	0.008	0
Pesticides 2 4-DB	P082	0.1 µg/l	9	0	< 0.005	< 0.005	0
Pesticides 2,4,5-T	P076	0.1 µg/l	9	0	< 0.005	< 0.005	0
Pesticides Aldrin	P002	0.03 µg/l	9	0	< 0.007	< 0.007	0
Pesticides Ametryn	P222	0.1 µg/l	10	0	< 0.002	< 0.002	0
Pesticides Atrazine	P004	0.1 µg/l	10	0	< 0.005	0.006	0
Pesticides Bentazone	P006	0.1 µg/l	9	0	< 0.005	< 0.005	0
Pesticides Bromoxynil	P008	0.1 µg/l	9	0	< 0.005	< 0.005	0
Pesticides Carbendazim (Total)	P150	0.1 µg/l	10	0	< 0.002	< 0.002	0
Pesticides Carbetamide	P010	0.1 µg/l	10	0	< 0.003	0.013	0
Pesticides Chlortoluron	P014	0.1 µg/l	10	0	< 0.003	< 0.003	0
Pesticides Clopyralid	P018	0.1 µg/l	9	0	< 0.01	0.039	0
Pesticides Dicamba	P025	0.1 µg/l	9	0	< 0.007	< 0.007	0
Pesticides Dichlorprop	P026	0.1 µg/l	9	0	< 0.004	< 0.004	0
Pesticides Dieldrin	P028	0.03 µg/l	9	0	< 0.006	< 0.006	0

Table TMS 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 Diuron	P032	0.1 µg/l	10	0	< 0.003	< 0.003	0
Pesticides Fenoprop	P105	0.1 µg/l	9	0	< 0.004	< 0.004	0
Pesticides Flufenacet	P230	0.1 µg/l	10	0	< 0.003	< 0.003	0
Pesticides Fluroxypyr	P040	0.1 µg/l	9	0	< 0.006	0.007	0
Pesticides Heptachlor	P043	0.03 µg/l	9	0	< 0.007	< 0.007	0
Pesticides Heptachlor Epoxide - Total (Trans, CIS) (Heptachlor Epoxide)	P044	0.03 µg/l	9	0	< 0.012	< 0.012	0
Pesticides Ioxynil	P049	0.1 µg/l	9	0	< 0.005	< 0.005	0
Pesticides Isoproturon	P048	0.1 µg/l	10	0	< 0.004	< 0.004	0
Pesticides Linuron	P051	0.1 µg/l	10	0	< 0.004	< 0.004	0
Pesticides MCPA 4-chloro-o-tolyloxyacetic acid	P054	0.1 µg/l	9	0	< 0.006	< 0.006	0
Pesticides MCPB	P055	0.1 µg/l	9	0	< 0.004	< 0.004	0
Pesticides MCPP (Mecoprop)	P053	0.1 µg/l	9	0	< 0.008	< 0.008	0
Pesticides Metaldehyde	P226	0.1 µg/l	10	0	< 0.005	0.088	0
Pesticides Metazachlor	P203	0.1 µg/l	10	0	< 0.002	0.002	0
Pesticides Monuron	P113	0.1 µg/l	10	0	< 0.003	< 0.003	0
Pesticides Pentachlorophenol	P060	0.1 µg/l	9	0	< 0.004	< 0.004	0
Pesticides Picloram (Total)	P122	0.1 µg/l	9	0	< 0.008	< 0.008	0
Pesticides Prometryne	P070	0.1 µg/l	10	0	< 0.002	< 0.002	0
Pesticides Propazine	P066	0.1 µg/l	10	0	< 0.002	< 0.002	0
Pesticides Propyzamide	P071	0.1 µg/l	10	0	< 0.004	0.019	0
Pesticides Quinmerac	P244	0.1 µg/l	10	0	< 0.004	0.014	0
Pesticides Simazine	P073	0.1 µg/l	10	0	< 0.005	< 0.005	0
Pesticides Tebuthiuron	P189	0.1 µg/l	10	0	< 0.002	< 0.002	0
Pesticides Terbutryn	P077	0.1 µg/l	10	0	< 0.003	< 0.003	0
Pesticides Triclopyr	P131	0.1 µg/l	9	0	< 0.005	< 0.005	0
Polycyclic Aromatic Hydrocarbons (Total by Calculation)	B011F	0.1 µg/l	1,948	0	0	0.002	0
Selenium (Total)	B009	10 µg Se/l	1,943	0	< 0.6	2.5	0
Trichloroethene & Tetrachloroethene - Sum Of 2 Substances (Total by Calculation)	D009B	10 µg/l	2,180	0	0	1.8	0
Trihalomethanes (Total by Calculation)	D011	100 µg/l	2,181	0	1	31.79	0
Totals:			81,498	28			

Table TMS 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	8,549	1	< 1.4	23.1	1
Colour	A001	20 mg/l Pt/Co scale	9,135	0	0.6	2	0
Iron (Total)	A022	200 µg Fe/l	8,890	6	< 2	36.7	5
Manganese (Total)	A023	50 µg Mn/l	8,550	1	< 0.8	2.2	1
Odour	A003	0 Dilution number	4,924	9	0	0	9
Sodium (Total)	A009	200 mg Na/l	1,944	0	6.4	51.955	0
Taste (Taste Quant)	A004	0 Dilution number	4,911	0	0	0	0
Tetrachloromethane (Total)	D008	3 µg/l	2,150	0	< 0.2	< 0.2	0
Turbidity	A002	4 nephelometric turbidity units	9,132	0	< 0.06	0.26	0
Totals:			58,185	17			

Table TMS 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	9,135	0	< 0.03	0.22
Chloride	D002A	250 mg Cl/l	1,945	0	12.6692	68.0018
Clostridium Perfringens	C004A	0 number/100 ml	11	0	0	0
Coliform Bacteria (Indicator)	C001A	0 number/100 ml	25,433	57	0	0
Colony Counts After 3 Days At 22øc (Colony Counts)	C007	No abnormal change	9,213	-n/a	0	108
Colony Counts After 48 Hours At 37øc (Colony Counts)	C013	No abnormal change	2,861	-n/a	0	37
Conductivity (Electrical Conductivity)	D001	2500 µS/cm	9,151	0	366	726
Gross Alpha	F004	0.1 Bq/l	10	0	< 0.03	0.05
Gross Beta	F005	1 Bq/l	9	0	0.04	0.32
Hydrogen ion (pH) - Indicator (Hydrogen ion) (pH)	A006	6.5 - 9.5 pH Value	9,136	1	7	7.9
Residual Disinfectant - Total	C010	No abnormal change	25,476	-n/a	0.16	0.85
Sulphate	A007	250 mg SO ₄ /l	1,946	0	8.247	84.706
Total Organic Carbon	A017	No abnormal change	10	-n/a	0.7	3.7
Totals:			94,336	58		