

**THAMES WATER UTILITIES**  
**WATER QUALITY REPORT - 2014 DATA**

<b>Water Supply Zone:</b> R 5			<b>GORING &amp; SONNING COMMON</b>			<b>Zone No.:</b> 170		
						<b>Population:</b> 27418		
<b>Time Period: 01/01/2014 to 31/12/2014</b>			<b>Concentration or Value (all samples)</b>			<b>No. of Samples</b>		<b>% of samples contravening PCV</b>
<b>Date extracted: 10/04/2015</b>			<b>Min.</b>	<b>Mean</b>	<b>Max.</b>	<b>Total</b>	<b>Contra-vening</b>	
Coliform bacteria	no./100ml	0	0	0	0	84	0	0
<i>E. coli</i>	no./100ml	0	0	0	0	84	0	0
<i>Enterococci</i>	no./100ml	0	0	0	0	8	0	0
<i>Clostridium perfringens</i>	no./100ml	0	0	0	0	261	0	0
Colony count 22°C	cfu/ml	-	0	0.194	3	36	0	0
Colony count 37°C	cfu/ml	-	0	0.194	3	36	0	0
Residual Disinfectant	mg/l	-	0.08	0.273	0.6	84	0	0
Colour (Pt/Co scale)	mg/lPt/Co	20	0.3	0.797	2	36	0	0
Hydrogen Ion	pH	6.50-9.50	7.2	7.378	7.7	36	0	0
Turbidity	FTU	4	<0.060	0.07	0.12	36	0	0
Conductivity at 20°C	uS/cm	2500	556	572.556	688	36	0	0
Ammonium as NH4	mg/l	0.5	<0.030	<0.030	<0.030	36	0	0
Chloride as Cl	mg/l	250	23.69	25.234	26.48	8	0	0
Sodium as Na	mg/l	200	14.4	37.675	180.8	8	0	0
Sulphate as SO4	mg/l	250	28.3	31.7	41.1	8	0	0
Nitrate as NO3	mg/l	50	25.9	29.95	44.5	8	0	0
Nitrite as NO2	mg/l	0.5	<0.010	<0.010	<0.010	8	0	0
Nitrate/Nitrite calculation	mg/l	1	0.52	0.6	0.89	8	0	0
Total Organic Carbon as C	mg/l	-	0.6	0.763	1	8	0	0
Total Hardness as CaCO3	mg/l	N/A	289	291	292	2	0	0
Odour (quantatative)	dilution no.	0	0	0	0	18	0	0
Taste (quantatative)	dilution no.	0	0	0	0	18	0	0
Iron as Fe	ug/l	200	<1.000	3.056	19	36	0	0
Manganese as Mn	ug/l	50	<0.200	0.8	2.1	36	0	0
Aluminium as Al	ug/l	200	<1.400	3.706	7.3	36	0	0
Antimony as Sb	ug/l	5	<0.700	<0.788	<0.800	8	0	0
Arsenic as As	ug/l	10	0.3	0.4	0.5	8	0	0
Cadmium as Cd	ug/l	5	<0.100	<0.100	<0.100	8	0	0
Chromium as Cr	ug/l	50	<0.900	<0.938	<1.200	8	0	0
Copper as Cu	mg/l	2	0.005	0.071	0.47	8	0	0
Lead as Pb	ug/l	10	<0.200	0.338	1.1	8	0	0
Mercury as Hg	ug/l	1	<0.090	<0.090	<0.090	8	0	0
Nickel as Ni	ug/l	20	<1.300	<1.338	<1.600	8	0	0
Fluoride as F	mg/l	1.5	0.117	0.129	0.146	8	0	0
Selenium as Se	ug/l	10	<0.800	0.825	1	8	0	0
Boron as B	mg/l	1	0.028	0.041	0.045	8	0	0
Bromate as BrO3	ug/l	10	<0.700	0.775	1	8	0	0
Cyanide as CN	ug/l	50	<0.700	0.763	1.2	8	0	0
PAHs (Sum of 4 substances)	ug/l	0.1	0	0.001	0.003	8	0	0
Benzo (a) pyrene	ug/l	0.01	<0.001	<0.001	<0.001	8	0	0
Trihalomethanes	ug/l	100	5.1	9.05	12.4	8	0	0
Tetra- & Trichloroethene calc	ug/l	10	0	0	0	8	0	0
Tetrachloromethane	ug/l	3	<0.200	<0.200	<0.200	9	0	0
1,2 dichloroethane	ug/l	3	<0.200	<0.267	<0.300	9	0	0

NOTE: PCV = Prescribed Concentration or Value

**THAMES WATER UTILITIES**  
**WATER QUALITY REPORT - 2014 DATA**

<b>Water Supply Zone:</b> R 5			<b>GORING &amp; SONNING COMMON</b>			<b>Zone No.:</b> 170		
						<b>Population:</b> 27418		
<b>Time Period: 01/01/2014 to 31/12/2014</b>			<b>Concentration or Value</b>			<b>No. of Samples</b>		
<b>Date extracted: 10/04/2015</b>			<b>(all samples)</b>					
Parameter	Units	PCV	Min.	Mean	Max.	Total	Contra-vening	% of samples contravening PCV
Benzene	ug/l	1	<0.100	<0.100	<0.100	9	0	0
Atrazine	ug/l	0.1	<0.005	<0.005	<0.005	9	0	0
Bentazone	ug/l	0.1	<0.005	<0.005	<0.005	8	0	0
Bromoxynil	ug/l	0.1	<0.005	<0.005	<0.005	8	0	0
Carbetamide	ug/l	0.1	<0.003	<0.003	<0.003	9	0	0
Chlortoluron	ug/l	0.1	<0.003	<0.003	<0.003	9	0	0
Clopyralid	ug/l	0.1	<0.010	<0.010	<0.010	8	0	0
2,4-D	ug/l	0.1	<0.004	<0.004	<0.004	8	0	0
Dicamba	ug/l	0.1	<0.007	<0.007	<0.007	8	0	0
Dichlorprop	ug/l	0.1	<0.004	<0.004	<0.004	8	0	0
Diuron	ug/l	0.1	<0.003	<0.003	<0.003	9	0	0
Fluroxypyr	ug/l	0.1	<0.006	<0.006	<0.006	8	0	0
Isoproturon	ug/l	0.1	<0.004	<0.004	<0.004	9	0	0
Ioxynil	ug/l	0.1	<0.005	<0.005	<0.005	8	0	0
Linuron	ug/l	0.1	<0.004	<0.004	<0.004	9	0	0
Mecoprop	ug/l	0.1	<0.008	<0.008	<0.008	8	0	0
MCPA	ug/l	0.1	<0.006	<0.006	<0.006	8	0	0
MCPB	ug/l	0.1	<0.004	<0.004	<0.004	8	0	0
Pentachlorophenol	ug/l	0.1	<0.004	<0.004	<0.004	8	0	0
Propazine	ug/l	0.1	<0.002	<0.002	<0.002	9	0	0
Prometryn	ug/l	0.1	<0.002	<0.002	<0.002	9	0	0
Propyzamide	ug/l	0.1	<0.004	<0.004	<0.004	9	0	0
Simazine	ug/l	0.1	<0.005	<0.005	<0.005	9	0	0
2,4,5-T	ug/l	0.1	<0.005	<0.005	<0.005	8	0	0
Terbutryn	ug/l	0.1	<0.003	<0.003	<0.003	9	0	0
2,4-DB	ug/l	0.1	<0.005	<0.005	<0.005	8	0	0
Fenoprop	ug/l	0.1	<0.004	<0.004	<0.004	8	0	0
Monuron	ug/l	0.1	<0.003	<0.003	<0.003	9	0	0
Picloram	ug/l	0.1	<0.008	<0.008	<0.008	8	0	0
Triclopyr	ug/l	0.1	<0.005	<0.005	<0.005	8	0	0
Tebuthiuron	ug/l	0.1	<0.002	<0.002	<0.002	9	0	0
Ametryne	ug/l	0.1	<0.002	<0.002	<0.002	9	0	0
Carbendazim	ug/l	0.1	<0.002	<0.002	<0.002	9	0	0
Metaldehyde	ug/l	0.1	<0.006	0.008	0.012	9	0	0
Total Pesticides	ug/l	0.5	0	0.007	0.015	9	0	0

NOTE: PCV = Prescribed Concentration or Value

**THAMES WATER UTILITIES**  
**WATER QUALITY REPORT - 2014 DATA**

<b>Water Supply Zone:</b>	R 5	GORING & SONNING COMMON	<b>Zone No.:</b>	170
			<b>Population:</b>	27418
<b>Time Period:</b> 01/01/2014 to 31/12/2014				
<b>Date extracted:</b> 10/04/2015				

**Commentary on Water Quality:**

Excellent quality water with no infringements to report for the Water Supply Zone.

**NOTES:**

For some parameters, monitoring occurs at the supplying Water Treatment Works rather than the Water Supply Zone