

THAMES WATER UTILITIES
WATER QUALITY REPORT - 2014 DATA

Water Supply Zone: G9 WITLEY			Zone No.: 313			Population: 5596		
Time Period: 01/01/2014 to 31/12/2014			Concentration or Value			No. of Samples		% of samples contravening PCV
Date extracted: 10/04/2015			(all samples)			Total	Contra- vening	
Parameter	Units	PCV	Min.	Mean	Max.	Total	Contra- vening	
Coliform bacteria	no./100ml	0	0	0	0	24	0	0
<i>E. coli</i>	no./100ml	0	0	0	0	24	0	0
<i>Enterococci</i>	no./100ml	0	0	0	0	8	0	0
<i>Clostridium perfringens</i>	no./100ml	0	0	0	0	61	0	0
Colony count 22°C	cfu/ml	-	0	2.417	18	12	0	0
Colony count 37°C	cfu/ml	-	0	0.917	10	12	0	0
Residual Disinfectant	mg/l	-	0.15	0.324	0.55	24	0	0
Colour (Pt/Co scale)	mg/lPt/Co	20	<0.400	0.775	0.9	12	0	0
Hydrogen Ion	pH	6.50-9.50	7.3	7.433	7.6	12	0	0
Turbidity	FTU	4	<0.060	0.086	0.14	12	0	0
Conductivity at 20°C	uS/cm	2500	328	360.75	388	12	0	0
Ammonium as NH4	mg/l	0.5	<0.030	<0.030	<0.030	12	0	0
Chloride as Cl	mg/l	250	34.69	41.341	53.26	8	0	0
Sodium as Na	mg/l	200	16	20.025	24.8	8	0	0
Sulphate as SO4	mg/l	250	20.5	23.613	29.3	8	0	0
Nitrate as NO3	mg/l	50	6.5	10.075	13.2	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	0.13	0.201	0.26	8	0	0
Total Organic Carbon as C	mg/l	-	0.2	0.781	1.8	16	0	0
Total Hardness as CaCO3	mg/l	N/A	140	149	157	2	0	0
Odour (quantatative)	dilution no.	0	0	0	0	6	0	0
Taste (quantatative)	dilution no.	0	0	0	0	6	0	0
Iron as Fe	ug/l	200	9.4	24.317	80.1	12	0	0
Manganese as Mn	ug/l	50	0.8	1.008	2.4	12	0	0
Aluminium as Al	ug/l	200	<1.400	<3.608	<6.300	12	0	0
Antimony as Sb	ug/l	5	<0.500	<0.763	<0.800	8	0	0
Arsenic as As	ug/l	10	<0.300	0.338	0.4	8	0	0
Cadmium as Cd	ug/l	5	<0.100	<0.113	<0.200	8	0	0
Chromium as Cr	ug/l	50	<0.900	<1.013	<1.200	8	0	0
Copper as Cu	mg/l	2	<0.004	0.01	0.02	8	0	0
Lead as Pb	ug/l	10	<0.200	0.225	0.3	8	0	0
Mercury as Hg	ug/l	1	<0.040	<0.087	<0.090	16	0	0
Nickel as Ni	ug/l	20	<1.300	2.125	3.3	8	0	0
Fluoride as F	mg/l	1.5	0.115	0.138	0.155	8	0	0
Selenium as Se	ug/l	10	<0.800	<0.800	<0.800	8	0	0
Boron as B	mg/l	1	0.02	0.022	0.025	8	0	0
Bromate as BrO3	ug/l	10	<0.700	0.725	1.1	16	0	0
Cyanide as CN	ug/l	50	<0.700	0.725	1.1	16	0	0
PAHs (Sum of 4 substances)	ug/l	0.1	0	0	0	8	0	0
Benzo (a) pyrene	ug/l	0.01	<0.001	<0.001	<0.001	8	0	0
Trihalomethanes	ug/l	100	20.9	29.538	39.4	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	8	0	0
1,2 dichloroethane	ug/l	3	<0.200	<0.263	<0.300	8	0	0

NOTE: PCV = Prescribed Concentration or Value

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Time Period: 01/01/2014 to 31/12/2014			Concentration or Value (all samples)			No. of Samples		
Date extracted: 10/04/2015								
Parameter	Units	PCV	Min.	Mean	Max.	Total	Contra-vening	% of samples contravening PCV
Benzene	ug/l	1	<0.100	<0.100	<0.100	8	0	0
Atrazine	ug/l	0.1	<0.005	<0.005	<0.005	16	0	0
Bentazone	ug/l	0.1	<0.005	<0.005	<0.005	16	0	0
Bromoxynil	ug/l	0.1	<0.002	<0.005	<0.005	16	0	0
Carbetamide	ug/l	0.1	<0.003	<0.003	<0.003	16	0	0
Chlortoluron	ug/l	0.1	<0.003	<0.003	<0.003	16	0	0
Clopyralid	ug/l	0.1	<0.009	<0.010	<0.010	16	0	0
2,4-D	ug/l	0.1	<0.003	<0.004	<0.004	16	0	0
Dicamba	ug/l	0.1	<0.007	<0.007	<0.007	16	0	0
Dichlorprop	ug/l	0.1	<0.002	<0.004	<0.004	16	0	0
Diuron	ug/l	0.1	<0.003	<0.003	<0.003	16	0	0
Fluroxypyr	ug/l	0.1	<0.003	<0.006	<0.006	16	0	0
Isoproturon	ug/l	0.1	<0.004	<0.004	<0.004	16	0	0
Ioxynil	ug/l	0.1	<0.002	<0.005	<0.005	16	0	0
Linuron	ug/l	0.1	<0.004	<0.004	<0.004	16	0	0
Mecoprop	ug/l	0.1	<0.003	<0.007	<0.008	16	0	0
MCPA	ug/l	0.1	<0.002	<0.006	<0.006	16	0	0
MCPB	ug/l	0.1	<0.004	<0.005	<0.008	16	0	0
Pentachlorophenol	ug/l	0.1	<0.002	<0.004	<0.004	16	0	0
Propazine	ug/l	0.1	<0.002	<0.002	<0.002	16	0	0
Prometryn	ug/l	0.1	<0.002	<0.002	<0.002	16	0	0
Propyzamide	ug/l	0.1	<0.004	<0.004	<0.004	16	0	0
Simazine	ug/l	0.1	<0.005	<0.005	<0.005	16	0	0
2,4,5-T	ug/l	0.1	<0.003	<0.005	<0.005	16	0	0
Terbutryn	ug/l	0.1	<0.003	<0.003	<0.003	16	0	0
2,4-DB	ug/l	0.1	<0.004	<0.005	<0.005	16	0	0
Fenoprop	ug/l	0.1	<0.003	<0.004	<0.004	16	0	0
Monuron	ug/l	0.1	<0.003	<0.003	<0.003	16	0	0
Picloram	ug/l	0.1	<0.005	<0.007	<0.008	16	0	0
Triclopyr	ug/l	0.1	<0.003	<0.005	<0.005	16	0	0
Tebuthiuron	ug/l	0.1	<0.002	<0.002	<0.002	16	0	0
Ametryne	ug/l	0.1	<0.002	<0.002	<0.002	16	0	0
Carbendazim	ug/l	0.1	<0.002	<0.002	<0.002	16	0	0
Metaldehyde	ug/l	0.1	<0.005	0.01	0.057	16	0	0
Total Pesticides	ug/l	0.5	0	0.006	0.057	16	0	0
Gross alpha activity	Bq/l	0.1	<0.040	0.041	0.05	8	0	0
Gross beta activity	Bq/l	1	0.08	0.096	0.16	8	0	0

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

Water Supply Zone:	G9	WITLEY	Zone No.:	313
			Population:	5596
Time Period: 01/01/2014 to 31/12/2014				
Date extracted: 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