

THAMES WATER UTILITIES
WATER QUALITY REPORT - 2014 DATA

Water Supply Zone: R29 SPENCERS WOOD			Zone No.: 237			Population: 51946		
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
Coliform bacteria	no./100ml	0	0	0	0	133	0	0
<i>E. coli</i>	no./100ml	0	0	0	0	133	0	0
<i>Enterococci</i>	no./100ml	0	0	0	0	8	0	0
<i>Clostridium perfringens</i>	no./100ml	0	0	0	0	156	0	0
Colony count 22°C	cfu/ml	-	0	0.151	3	53	0	0
Colony count 37°C	cfu/ml	-	0	0.151	1	53	0	0
Residual Disinfectant	mg/l	-	0.12	0.446	0.76	133	0	0
Colour (Pt/Co scale)	mg/lPt/Co	20	<0.200	0.794	2.5	52	0	0
Hydrogen Ion	pH	6.50-9.50	7.6	7.737	8.3	52	0	0
Turbidity	FTU	4	0.04	0.07	0.18	52	0	0
Conductivity at 20°C	uS/cm	2500	482	524.615	557	52	0	0
Ammonium as NH4	mg/l	0.5	<0.020	<0.030	<0.030	52	0	0
Chloride as Cl	mg/l	250	31.27	34.975	42.04	8	0	0
Sodium as Na	mg/l	200	12.2	14.638	19.3	8	0	0
Sulphate as SO4	mg/l	250	19.9	21.825	25.7	8	0	0
Nitrate as NO3	mg/l	50	18.2	21.663	25.3	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	0.36	0.434	0.51	8	0	0
Total Organic Carbon as C	mg/l	-	0.7	1.125	1.5	8	0	0
Total Hardness as CaCO3	mg/l	N/A	233	256	279	2	0	0
Odour (quantatative)	dilution no.	0	0	0	0	26	0	0
Taste (quantatative)	dilution no.	0	0	0	0	26	0	0
Iron as Fe	ug/l	200	<2.000	3.45	15.1	52	0	0
Manganese as Mn	ug/l	50	<0.200	0.779	1	52	0	0
Aluminium as Al	ug/l	200	<1.400	4.983	9.2	52	0	0
Antimony as Sb	ug/l	5	<0.500	<0.763	<0.800	8	0	0
Arsenic as As	ug/l	10	0.3	0.3	0.3	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	<0.963	<1.200	8	0	0
Copper as Cu	mg/l	2	0.005	0.092	0.511	8	0	0
Lead as Pb	ug/l	10	<0.200	0.338	1	8	0	0
Mercury as Hg	ug/l	1	<0.090	<0.094	<0.120	8	0	0
Nickel as Ni	ug/l	20	<1.300	1.625	2.2	8	0	0
Fluoride as F	mg/l	1.5	0.084	0.11	0.128	8	0	0
Selenium as Se	ug/l	10	<0.800	<0.800	<0.800	8	0	0
Boron as B	mg/l	1	0.019	0.022	0.029	8	0	0
Bromate as BrO3	ug/l	10	1.4	3.213	4.3	8	0	0
Cyanide as CN	ug/l	50	<0.700	0.788	1.1	8	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	7.5	13.513	17.8	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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Benzene	ug/l	1	<0.100	<0.100	<0.100	8	0	0
Atrazine	ug/l	0.1	<0.005	<0.005	<0.005	8	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	8	0	0
Chlortoluron	ug/l	0.1	<0.003	<0.003	<0.003	8	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	8	0	0
Fluroxypyr	ug/l	0.1	<0.004	<0.006	<0.006	8	0	0
Isoproturon	ug/l	0.1	<0.004	<0.004	<0.004	8	0	0
Ioxynil	ug/l	0.1	<0.004	<0.005	<0.005	8	0	0
Linuron	ug/l	0.1	<0.004	<0.004	<0.004	8	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	<0.005	<0.008	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	8	0	0
Prometryn	ug/l	0.1	<0.002	<0.002	<0.002	8	0	0
Propyzamide	ug/l	0.1	<0.004	<0.004	<0.004	8	0	0
Simazine	ug/l	0.1	<0.005	<0.005	<0.005	8	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	8	0	0
2,4-DB	ug/l	0.1	<0.004	<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	8	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	8	0	0
Ametryne	ug/l	0.1	<0.002	<0.002	<0.002	8	0	0
Carbendazim	ug/l	0.1	<0.002	<0.002	<0.002	8	0	0
Metaldehyde	ug/l	0.1	0.006	0.01	0.023	8	0	0
Total Pesticides	ug/l	0.5	0	0.008	0.023	8	0	0
Gross alpha activity	Bq/l	0.1	0.04	0.04	0.04	8	0	0
Gross beta activity	Bq/l	1	0.05	0.069	0.09	8	0	0

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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