

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

<b>Water Supply Zone:</b> SLE19 NORTH DOWNS			<b>Zone No.:</b> 77					
			<b>Population:</b> 26964					
<b>Time Period: 01/01/2014 to 31/12/2014</b>			<b>Concentration or Value (all samples)</b>			<b>No. of Samples</b>		
<b>Date extracted: 10/04/2015</b>								
Parameter	Units	PCV	Min.	Mean	Max.	Total	Contra-vening	% of samples contravening PCV
Coliform bacteria	no./100ml	0	0	0.069	5	72	1	1.4
<i>E. coli</i>	no./100ml	0	0	0	0	72	0	0
<i>Enterococci</i>	no./100ml	0	0	0	0	8	0	0
<i>Clostridium perfringens</i>	no./100ml	0	0	0	0	817	0	0
Colony count 22°C	cfu/ml	-	0	0.542	3	24	0	0
Colony count 37°C	cfu/ml	-	0	0.25	3	24	0	0
Residual Disinfectant	mg/l	-	0.07	0.178	0.36	72	0	0
Colour (Pt/Co scale)	mg/lPt/Co	20	<0.800	0.958	2.3	24	0	0
Hydrogen Ion	pH	6.50-9.50	7.3	7.45	8	24	0	0
Turbidity	FTU	4	<0.040	0.072	0.1	24	0	0
Conductivity at 20°C	uS/cm	2500	554	591.875	623	24	0	0
Ammonium as NH4	mg/l	0.5	<0.030	0.041	0.07	24	0	0
Chloride as Cl	mg/l	250	34.47	38.604	42.29	8	0	0
Sodium as Na	mg/l	200	20.3	23.475	26.5	8	0	0
Sulphate as SO4	mg/l	250	38.8	44.238	49.6	8	0	0
Nitrate as NO3	mg/l	50	22.1	24.338	30.1	24	0	0
Nitrite as NO2	mg/l	0.5	<0.010	0.02	0.05	24	0	0
Nitrate/Nitrite calculation	mg/l	1	0.44	0.492	0.61	24	0	0
Total Organic Carbon as C	mg/l	-	0.3	1.691	3.7	107	0	0
Total Hardness as CaCO3	mg/l	N/A	287	289	291	2	0	0
Odour (quantatative)	dilution no.	0	0	0	0	12	0	0
Taste (quantatative)	dilution no.	0	0	0	0	12	0	0
Iron as Fe	ug/l	200	<2.000	7.121	90.6	24	0	0
Manganese as Mn	ug/l	50	<0.200	0.779	0.9	24	0	0
Aluminium as Al	ug/l	200	<1.400	4.067	6.2	24	0	0
Antimony as Sb	ug/l	5	<0.700	<0.788	<0.800	8	0	0
Arsenic as As	ug/l	10	0.6	0.663	0.8	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	1.013	1.5	8	0	0
Copper as Cu	mg/l	2	0.008	0.019	0.06	8	0	0
Lead as Pb	ug/l	10	<0.200	0.688	1.4	8	0	0
Mercury as Hg	ug/l	1	<0.040	<0.087	<0.120	106	0	0
Nickel as Ni	ug/l	20	<1.300	<1.338	<1.600	8	0	0
Fluoride as F	mg/l	1.5	0.107	0.132	0.158	8	0	0
Selenium as Se	ug/l	10	<0.800	1.238	1.8	8	0	0
Boron as B	mg/l	1	0.043	0.047	0.051	8	0	0
Bromate as BrO3	ug/l	10	0.7	0.751	1.8	107	0	0
Cyanide as CN	ug/l	50	<0.700	0.913	5.5	107	0	0
PAHs (Sum of 4 substances)	ug/l	0.1	0	0.001	0.002	8	0	0
Benzo (a) pyrene	ug/l	0.01	<0.001	<0.001	<0.001	8	0	0
Trihalomethanes	ug/l	100	10	12.513	14.1	8	0	0
Tetra- & Trichloroethene calc	ug/l	10	0.3	0.588	0.8	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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<b>Time Period:</b> 01/01/2014 to 31/12/2014			<b>Concentration or Value</b> (all samples)			<b>No. of Samples</b>		
<b>Date extracted:</b> 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	0.01	0.056	107	0	0
Bentazone	ug/l	0.1	<0.005	0.005	0.007	107	0	0
Bromoxynil	ug/l	0.1	<0.002	<0.005	<0.005	107	0	0
Carbetamide	ug/l	0.1	<0.003	0.003	0.008	107	0	0
Chlortoluron	ug/l	0.1	<0.003	0.003	0.01	107	0	0
Clopyralid	ug/l	0.1	<0.009	<0.010	<0.010	107	0	0
2,4-D	ug/l	0.1	<0.003	<0.004	<0.004	107	0	0
Dicamba	ug/l	0.1	<0.007	<0.007	<0.007	107	0	0
Dichlorprop	ug/l	0.1	<0.002	<0.004	<0.004	107	0	0
Diuron	ug/l	0.1	<0.003	0.006	0.038	107	0	0
Fluroxypyr	ug/l	0.1	<0.003	<0.006	<0.006	107	0	0
Isoproturon	ug/l	0.1	<0.004	<0.004	<0.004	107	0	0
Ioxynil	ug/l	0.1	<0.002	<0.005	<0.005	107	0	0
Linuron	ug/l	0.1	<0.004	<0.004	<0.004	107	0	0
Mecoprop	ug/l	0.1	<0.003	<0.007	<0.008	107	0	0
MCPA	ug/l	0.1	<0.002	<0.006	<0.006	107	0	0
MCPB	ug/l	0.1	<0.004	<0.005	<0.008	107	0	0
Pentachlorophenol	ug/l	0.1	<0.002	<0.004	<0.004	107	0	0
Propazine	ug/l	0.1	<0.002	<0.002	<0.002	106	0	0
Prometryn	ug/l	0.1	<0.002	<0.002	<0.002	106	0	0
Propyzamide	ug/l	0.1	<0.004	0.007	0.033	107	0	0
Simazine	ug/l	0.1	<0.005	0.008	0.024	107	0	0
2,4,5-T	ug/l	0.1	<0.003	<0.005	<0.005	107	0	0
Terbutryn	ug/l	0.1	<0.003	<0.003	<0.003	106	0	0
2,4-DB	ug/l	0.1	<0.004	<0.005	<0.005	107	0	0
Fenoprop	ug/l	0.1	<0.003	<0.004	<0.004	107	0	0
Monuron	ug/l	0.1	<0.003	0.003	0.004	107	0	0
Picloram	ug/l	0.1	<0.005	0.008	0.01	107	0	0
Triclopyr	ug/l	0.1	<0.003	<0.005	<0.005	107	0	0
Tebuthiuron	ug/l	0.1	<0.002	<0.002	<0.002	106	0	0
Ametryne	ug/l	0.1	<0.002	<0.002	<0.002	106	0	0
Carbendazim	ug/l	0.1	<0.002	0.002	0.008	107	0	0
Metaldehyde	ug/l	0.1	<0.005	0.028	0.083	107	0	0
Metazachlor	ug/l	0.1	<0.002	0.003	0.008	72	0	0
Quinmerac	ug/l	0.1	<0.004	0.007	0.017	73	0	0
Total Pesticides	ug/l	0.5	0	0.048	0.134	114	0	0
Gross alpha activity	Bq/l	0.1	<0.040	<0.040	<0.040	2	0	0
Gross beta activity	Bq/l	1	0.05	0.065	0.08	2	0	0

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<b>Water Supply Zone:</b>	SLE19	NORTH DOWNS	<b>Zone No.:</b>	77
			<b>Population:</b>	26964
<b>Time Period:</b> 01/01/2014 to 31/12/2014				
<b>Date extracted:</b> 10/04/2015				

**Commentary on Water Quality:**

Very good water quality, however one infringement to report for coliforms. Our investigations showed the infringement for coliforms was due to customer plumbing and not indicative of the quality of water supplied to this zone.

**NOTES:**

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