

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

<b>Water Supply Zone:</b> SLW 7 NORWOOD & FOREST HILL			<b>Zone No.:</b> 99			<b>Population:</b> 49247		
<b>Time Period:</b> 01/01/2014 to 31/12/2014			<b>Concentration or Value</b>			<b>No. of Samples</b>		
<b>Date extracted:</b> 10/04/2015			<b>(all samples)</b>					
Parameter	Units	PCV	Min.	Mean	Max.	Total	Contra-vening	% of samples contravening PCV
Coliform bacteria	no./100ml	0	0	0.067	8	120	1	0.8
<i>E. coli</i>	no./100ml	0	0	0	0	120	0	0
<i>Enterococci</i>	no./100ml	0	0	0	0	8	0	0
<i>Clostridium perfringens</i>	no./100ml	0	0	0	0	1393	0	0
Colony count 22°C	cfu/ml	-	0	1.316	12	38	0	0
Colony count 37°C	cfu/ml	-	0	1.895	19	38	0	0
Residual Disinfectant	mg/l	-	<0.050	0.488	0.72	121	0	0
Colour (Pt/Co scale)	mg/lPt/Co	20	<0.800	1.344	3.5	36	0	0
Hydrogen Ion	pH	6.50-9.50	7.6	7.697	7.9	36	0	0
Turbidity	FTU	4	<0.060	0.076	0.12	36	0	0
Conductivity at 20°C	uS/cm	2500	520	561.611	604	36	0	0
Ammonium as NH <sub>4</sub>	mg/l	0.5	0.04	0.125	0.17	36	0	0
Chloride as Cl	mg/l	250	35.49	40.379	45.01	8	0	0
Sodium as Na	mg/l	200	24.7	27.488	31	8	0	0
Sulphate as SO <sub>4</sub>	mg/l	250	41.9	44.5	48.5	8	0	0
Nitrate as NO <sub>3</sub>	mg/l	50	20.9	24.017	27.5	36	0	0
Nitrite as NO <sub>2</sub>	mg/l	0.5	<0.010	0.03	0.13	36	0	0
Nitrate/Nitrite calculation	mg/l	1	0.44	0.49	0.56	36	0	0
Total Organic Carbon as C	mg/l	-	1.4	2.206	3.8	106	0	0
Total Hardness as CaCO <sub>3</sub>	mg/l	N/A	235	253	271	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	<2.000	3.619	10.5	36	0	0
Manganese as Mn	ug/l	50	<0.200	<0.767	<0.800	36	0	0
Aluminium as Al	ug/l	200	<1.400	6.069	16.4	36	0	0
Antimony as Sb	ug/l	5	<0.700	<0.788	<0.800	8	0	0
Arsenic as As	ug/l	10	0.8	1	1.2	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	<0.004	0.022	0.083	8	0	0
Lead as Pb	ug/l	10	<0.200	0.363	0.6	8	0	0
Mercury as Hg	ug/l	1	<0.040	<0.088	<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	0.141	0.162	8	0	0
Selenium as Se	ug/l	10	<0.800	<0.800	<0.800	8	0	0
Boron as B	mg/l	1	0.046	0.053	0.057	8	0	0
Bromate as BrO <sub>3</sub>	ug/l	10	<0.700	1.079	14.5	107	1	0.9
Cyanide as CN	ug/l	50	<0.700	0.715	1.1	106	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	14.8	19.075	25.4	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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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	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	<0.003	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	<0.006	107	0	0
Diuron	ug/l	0.1	<0.003	<0.003	<0.003	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	<0.005	<0.005	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	<0.003	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	0.018	0.039	0.083	106	0	0
Metazachlor	ug/l	0.1	<0.002	0.003	0.008	106	0	0
Quinmerac	ug/l	0.1	<0.004	0.006	0.017	107	0	0
Total Pesticides	ug/l	0.5	0	0.048	0.134	114	0	0

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			<b>Population:</b> 49247
<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 bromate and one infringement to report for coliforms. Our investigations showed the infringement for bromate was transitory at a supplying asset and the infringement for coliforms was transitory. Neither of these infringements were 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