

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

<b>Water Supply Zone:</b> SLW24 NORBURY			<b>Zone No.:</b> 116					
			<b>Population:</b> 35197					
<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	0	97	0	0
<i>E. coli</i>	no./100ml	0	0	0	0	97	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	1.921	23	38	0	0
Colony count 37°C	cfu/ml	-	0	1.237	6	38	0	0
Residual Disinfectant	mg/l	-	0.18	0.524	0.7	98	0	0
Colour (Pt/Co scale)	mg/lPt/Co	20	0.8	1.503	3.6	37	0	0
Hydrogen Ion	pH	6.50-9.50	7.6	7.732	8.1	37	0	0
Turbidity	FTU	4	<0.060	0.077	0.15	38	0	0
Conductivity at 20°C	uS/cm	2500	520	561.243	602	37	0	0
Ammonium as NH4	mg/l	0.5	0.03	0.124	0.17	37	0	0
Chloride as Cl	mg/l	250	34	40.571	44.86	9	0	0
Sodium as Na	mg/l	200	23.7	27.163	30.7	8	0	0
Sulphate as SO4	mg/l	250	41.2	44.822	50.8	9	0	0
Nitrate as NO3	mg/l	50	22	24.019	27.3	37	0	0
Nitrite as NO2	mg/l	0.5	0.01	0.024	0.08	38	0	0
Nitrate/Nitrite calculation	mg/l	1	0.44	0.488	0.55	37	0	0
Total Organic Carbon as C	mg/l	-	1.4	2.206	3.8	106	0	0
Total Hardness as CaCO3	mg/l	N/A	243	253	268	3	0	0
Odour (quantatative)	dilution no.	0	0	0	0	19	0	0
Taste (quantatative)	dilution no.	0	0	0	0	19	0	0
Iron as Fe	ug/l	200	<2.000	3.619	24.6	37	0	0
Manganese as Mn	ug/l	50	<0.200	0.819	3.3	37	0	0
Aluminium as Al	ug/l	200	<1.400	5.468	9.4	37	0	0
Antimony as Sb	ug/l	5	<0.500	<0.763	<0.800	8	0	0
Arsenic as As	ug/l	10	0.9	1.088	1.4	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	<0.963	<1.200	8	0	0
Copper as Cu	mg/l	2	0.004	0.019	0.104	8	0	0
Lead as Pb	ug/l	10	<0.200	3.963	23.6	8	1	12.5
Mercury as Hg	ug/l	1	<0.040	<0.088	<0.120	106	0	0
Nickel as Ni	ug/l	20	<1.300	1.425	1.8	8	0	0
Fluoride as F	mg/l	1.5	0.118	0.146	0.186	8	0	0
Selenium as Se	ug/l	10	<0.800	0.838	1.1	8	0	0
Boron as B	mg/l	1	0.046	0.053	0.057	8	0	0
Bromate as BrO3	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	0.001	8	0	0
Benzo (a) pyrene	ug/l	0.01	<0.001	<0.001	<0.001	8	0	0
Trihalomethanes	ug/l	100	14.4	18.588	23.2	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	<0.267	<0.300	9	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	9	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>Water Supply Zone:</b>	SLW24    NORBURY	<b>Zone No.:</b>	116
		<b>Population:</b>	35197
<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 lead. Our investigations showed the infringement for bromate was transitory at a supplying asset and the infringement for lead 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