

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

<b>Water Supply Zone:</b> NLW20 WHITTON			<b>Zone No.:</b> 45					
			<b>Population:</b> 45933					
<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	121	0	0
<i>E. coli</i>	no./100ml	0	0	0	0	121	0	0
<i>Enterococci</i>	no./100ml	0	0	0	0	8	0	0
<i>Clostridium perfringens</i>	no./100ml	0	0	0	0	401	0	0
Colony count 22°C	cfu/ml	-	0	3.421	87	38	0	0
Colony count 37°C	cfu/ml	-	0	2.158	32	38	0	0
Residual Disinfectant	mg/l	-	0.19	0.57	0.79	122	0	0
Colour (Pt/Co scale)	mg/lPt/Co	20	0.8	1.553	4.8	36	0	0
Hydrogen Ion	pH	6.50-9.50	7.5	7.689	7.8	37	0	0
Turbidity	FTU	4	<0.060	0.078	0.2	37	0	0
Conductivity at 20°C	uS/cm	2500	503	559.865	610	37	0	0
Ammonium as NH <sub>4</sub>	mg/l	0.5	0.06	0.139	0.22	36	0	0
Chloride as Cl	mg/l	250	32.75	38.976	44.98	8	0	0
Sodium as Na	mg/l	200	21.8	27.363	32	8	0	0
Sulphate as SO <sub>4</sub>	mg/l	250	40	43.375	47.9	8	0	0
Nitrate as NO <sub>3</sub>	mg/l	50	15.4	23.736	27.4	36	0	0
Nitrite as NO <sub>2</sub>	mg/l	0.5	0.01	0.013	0.06	36	0	0
Nitrate/Nitrite calculation	mg/l	1	0.31	0.477	0.55	36	0	0
Total Organic Carbon as C	mg/l	-	1.5	2.297	3.7	36	0	0
Total Hardness as CaCO <sub>3</sub>	mg/l	N/A	235	255	274	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	4.108	27.5	37	0	0
Manganese as Mn	ug/l	50	<0.200	0.838	1.9	37	0	0
Aluminium as Al	ug/l	200	<1.400	6.159	11.9	37	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	1.013	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	<0.933	<1.200	9	0	0
Copper as Cu	mg/l	2	<0.004	0.019	0.064	8	0	0
Lead as Pb	ug/l	10	0.6	2.488	6	8	0	0
Mercury as Hg	ug/l	1	<0.040	<0.088	<0.120	36	0	0
Nickel as Ni	ug/l	20	<1.300	1.4	1.8	8	0	0
Fluoride as F	mg/l	1.5	0.12	0.147	0.195	8	0	0
Selenium as Se	ug/l	10	<0.800	0.813	0.9	8	0	0
Boron as B	mg/l	1	0.045	0.052	0.055	9	0	0
Bromate as BrO <sub>3</sub>	ug/l	10	<0.700	0.833	1.8	36	0	0
Cyanide as CN	ug/l	50	<0.700	0.711	1	36	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	11.8	18.538	31.4	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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<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	<0.005	<0.005	36	0	0
Bentazone	ug/l	0.1	<0.005	<0.005	<0.005	36	0	0
Bromoxynil	ug/l	0.1	<0.002	<0.005	<0.005	36	0	0
Carbetamide	ug/l	0.1	<0.003	0.003	0.006	36	0	0
Chlortoluron	ug/l	0.1	<0.003	<0.003	<0.003	36	0	0
Clopyralid	ug/l	0.1	<0.009	<0.010	<0.010	36	0	0
2,4-D	ug/l	0.1	<0.003	<0.004	<0.004	36	0	0
Dicamba	ug/l	0.1	<0.007	<0.007	<0.007	36	0	0
Dichlorprop	ug/l	0.1	<0.002	<0.004	<0.004	36	0	0
Diuron	ug/l	0.1	<0.003	<0.003	<0.003	36	0	0
Fluroxypyr	ug/l	0.1	<0.003	<0.006	<0.006	36	0	0
Isoproturon	ug/l	0.1	<0.004	<0.004	<0.004	36	0	0
Ioxynil	ug/l	0.1	<0.002	<0.005	<0.005	36	0	0
Linuron	ug/l	0.1	<0.004	<0.004	<0.004	36	0	0
Mecoprop	ug/l	0.1	<0.003	<0.007	<0.008	36	0	0
MCPA	ug/l	0.1	<0.002	<0.006	<0.006	36	0	0
MCPB	ug/l	0.1	<0.004	<0.005	<0.008	36	0	0
Pentachlorophenol	ug/l	0.1	<0.002	<0.004	<0.004	36	0	0
Propazine	ug/l	0.1	<0.002	<0.002	<0.002	36	0	0
Prometryn	ug/l	0.1	<0.002	<0.002	<0.002	36	0	0
Propyzamide	ug/l	0.1	<0.004	0.009	0.033	36	0	0
Simazine	ug/l	0.1	<0.005	<0.005	<0.005	36	0	0
2,4,5-T	ug/l	0.1	<0.003	<0.005	<0.005	36	0	0
Terbutryn	ug/l	0.1	<0.003	<0.003	<0.003	36	0	0
2,4-DB	ug/l	0.1	<0.004	<0.005	<0.005	36	0	0
Fenoprop	ug/l	0.1	<0.003	<0.004	<0.004	36	0	0
Monuron	ug/l	0.1	<0.003	<0.003	<0.003	36	0	0
Picloram	ug/l	0.1	<0.005	<0.008	<0.008	36	0	0
Triclopyr	ug/l	0.1	<0.003	<0.005	<0.005	36	0	0
Tebuthiuron	ug/l	0.1	<0.002	<0.002	<0.002	36	0	0
Ametryne	ug/l	0.1	<0.002	<0.002	<0.002	36	0	0
Carbendazim	ug/l	0.1	<0.002	<0.002	<0.002	36	0	0
Metaldehyde	ug/l	0.1	0.02	0.036	0.07	36	0	0
Metazachlor	ug/l	0.1	<0.002	0.002	0.003	36	0	0
Quinmerac	ug/l	0.1	<0.004	0.005	0.009	36	0	0
Total Pesticides	ug/l	0.5	0	0.044	0.099	38	0	0

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**Water Supply Zone:** NLW20 WHITTON

**Zone No.:** 45

**Population:** 45933

**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