

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

<b>Water Supply Zone:</b> NLW33 PARLIAMENT			<b>Zone No.:</b> 58					
			<b>Population:</b> 60368					
<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	0.167	19	132	2	1.5
<i>E. coli</i>	no./100ml	0	0	0	0	132	0	0
<i>Enterococci</i>	no./100ml	0	0	0	0	8	0	0
<i>Clostridium perfringens</i>	no./100ml	0	0	0	0	782	0	0
Colony count 22°C	cfu/ml	-	0	2.135	28	52	0	0
Colony count 37°C	cfu/ml	-	0	1.404	13	52	0	0
Residual Disinfectant	mg/l	-	0.11	0.523	0.79	132	0	0
Colour (Pt/Co scale)	mg/lPt/Co	20	<0.800	1.448	4.4	52	0	0
Hydrogen Ion	pH	6.50-9.50	7.5	7.781	8.3	52	0	0
Turbidity	FTU	4	0.06	0.07	0.14	53	0	0
Conductivity at 20°C	uS/cm	2500	535	570.942	607	52	0	0
Ammonium as NH4	mg/l	0.5	0.04	0.146	0.2	52	0	0
Chloride as Cl	mg/l	250	35.67	40.621	46.56	8	0	0
Sodium as Na	mg/l	200	23.8	27.45	31.7	8	0	0
Sulphate as SO4	mg/l	250	42.1	44.425	47.9	8	0	0
Nitrate as NO3	mg/l	50	21	23.887	27.7	52	0	0
Nitrite as NO2	mg/l	0.5	0.01	0.027	0.17	53	0	0
Nitrate/Nitrite calculation	mg/l	1	0.42	0.486	0.56	52	0	0
Total Organic Carbon as C	mg/l	-	1.5	2.214	3.7	72	0	0
Total Hardness as CaCO3	mg/l	N/A	237	251	265	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	3.56	16.1	52	0	0
Manganese as Mn	ug/l	50	<0.200	0.767	0.9	52	0	0
Aluminium as Al	ug/l	200	<1.400	6.169	14.8	52	0	0
Antimony as Sb	ug/l	5	<0.700	<0.788	<0.800	8	0	0
Arsenic as As	ug/l	10	0.9	1.088	1.3	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	0.011	0.079	0.209	8	0	0
Lead as Pb	ug/l	10	<0.200	0.263	0.5	8	0	0
Mercury as Hg	ug/l	1	<0.040	<0.088	<0.120	72	0	0
Nickel as Ni	ug/l	20	<1.300	1.388	2	8	0	0
Fluoride as F	mg/l	1.5	0.115	0.149	0.195	8	0	0
Selenium as Se	ug/l	10	0.8	0.813	0.9	8	0	0
Boron as B	mg/l	1	0.046	0.053	0.056	8	0	0
Bromate as BrO3	ug/l	10	<0.700	0.776	1.8	72	0	0
Cyanide as CN	ug/l	50	<0.700	0.711	1.1	72	0	0
PAHs (Sum of 4 substances)	ug/l	0.1	0	0	0	9	0	0
Benzo (a) pyrene	ug/l	0.01	<0.001	<0.001	<0.001	9	0	0
Trihalomethanes	ug/l	100	8.2	17.463	23.3	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	73	0	0
Bentazone	ug/l	0.1	<0.005	0.005	0.007	72	0	0
Bromoxynil	ug/l	0.1	<0.002	<0.005	<0.005	72	0	0
Carbetamide	ug/l	0.1	<0.003	0.004	0.008	73	0	0
Chlortoluron	ug/l	0.1	<0.003	<0.003	<0.003	73	0	0
Clopyralid	ug/l	0.1	<0.009	<0.010	<0.010	72	0	0
2,4-D	ug/l	0.1	<0.003	<0.004	<0.004	72	0	0
Dicamba	ug/l	0.1	<0.007	<0.007	<0.007	72	0	0
Dichlorprop	ug/l	0.1	<0.002	<0.004	<0.004	72	0	0
Diuron	ug/l	0.1	<0.003	<0.003	<0.003	73	0	0
Fluroxypyr	ug/l	0.1	<0.003	<0.006	<0.006	72	0	0
Isoproturon	ug/l	0.1	<0.004	<0.004	<0.004	73	0	0
Ioxynil	ug/l	0.1	<0.002	<0.005	<0.005	72	0	0
Linuron	ug/l	0.1	<0.004	<0.004	<0.004	73	0	0
Mecoprop	ug/l	0.1	<0.003	<0.007	<0.008	72	0	0
MCPA	ug/l	0.1	<0.002	<0.006	<0.006	72	0	0
MCPB	ug/l	0.1	<0.004	<0.005	<0.008	72	0	0
Pentachlorophenol	ug/l	0.1	<0.002	<0.004	<0.004	72	0	0
Propazine	ug/l	0.1	<0.002	<0.002	<0.002	72	0	0
Prometryn	ug/l	0.1	<0.002	<0.002	<0.002	72	0	0
Propyzamide	ug/l	0.1	<0.004	0.009	0.033	73	0	0
Simazine	ug/l	0.1	<0.005	<0.005	<0.005	73	0	0
2,4,5-T	ug/l	0.1	<0.003	<0.005	<0.005	72	0	0
Terbutryn	ug/l	0.1	<0.003	<0.003	<0.003	72	0	0
2,4-DB	ug/l	0.1	<0.004	<0.005	<0.005	72	0	0
Fenoprop	ug/l	0.1	<0.003	<0.004	<0.004	72	0	0
Monuron	ug/l	0.1	<0.003	<0.003	<0.003	73	0	0
Picloram	ug/l	0.1	<0.005	0.008	0.01	72	0	0
Triclopyr	ug/l	0.1	<0.003	<0.005	<0.005	72	0	0
Tebuthiuron	ug/l	0.1	<0.002	<0.002	<0.002	72	0	0
Ametryne	ug/l	0.1	<0.002	<0.002	<0.002	72	0	0
Carbendazim	ug/l	0.1	<0.002	0.002	0.008	73	0	0
Metaldehyde	ug/l	0.1	0.018	0.038	0.083	72	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	0.051	0.134	77	0	0

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			<b>Population:</b>	60368
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<b>Date extracted:</b> 10/04/2015				

**Commentary on Water Quality:**

Very good water quality, however two infringements to report for coliforms. Our investigations showed that both infringements for coliforms were due to customer plumbing. 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