

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

<b>Water Supply Zone:</b> NLW41 CHISWICK & HAMMERSMITH			<b>Zone No.:</b> 347			<b>Population:</b> 69693		
<b>Time Period:</b> 01/01/2014 to 31/12/2014			<b>Concentration or Value</b>			<b>No. of Samples</b>		<b>% of samples contravening PCV</b>
<b>Date extracted:</b> 10/04/2015			<b>(all samples)</b>			<b>Total</b>	<b>Contra- vening</b>	
<b>Parameter</b>	<b>Units</b>	<b>PCV</b>	<b>Min.</b>	<b>Mean</b>	<b>Max.</b>	<b>Total</b>	<b>Contra- vening</b>	<b>% of samples contravening PCV</b>
Coliform bacteria	no./100ml	0	0	0	0	180	0	0
<i>E. coli</i>	no./100ml	0	0	0	0	180	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	1.904	19	52	0	0
Colony count 37°C	cfu/ml	-	0	1.654	17	52	0	0
Residual Disinfectant	mg/l	-	0.16	0.443	0.75	180	0	0
Colour (Pt/Co scale)	mg/lPt/Co	20	<0.800	1.467	3.6	52	0	0
Hydrogen Ion	pH	6.50-9.50	7.5	7.754	8.1	52	0	0
Turbidity	FTU	4	0.06	0.073	0.12	52	0	0
Conductivity at 20°C	uS/cm	2500	534	572.135	607	52	0	0
Ammonium as NH <sub>4</sub>	mg/l	0.5	<0.030	0.105	0.17	52	0	0
Chloride as Cl	mg/l	250	36.23	41.263	47.23	8	0	0
Sodium as Na	mg/l	200	23.4	27.6	32.2	8	0	0
Sulphate as SO <sub>4</sub>	mg/l	250	41.8	44.475	49.6	8	0	0
Nitrate as NO <sub>3</sub>	mg/l	50	20.4	23.663	27.9	52	0	0
Nitrite as NO <sub>2</sub>	mg/l	0.5	0.02	0.083	0.23	52	0	0
Nitrate/Nitrite calculation	mg/l	1	0.43	0.501	0.6	52	0	0
Total Organic Carbon as C	mg/l	-	1.5	2.214	3.7	72	0	0
Total Hardness as CaCO <sub>3</sub>	mg/l	N/A	255	261	267	2	0	0
Odour (quantatative)	dilution no.	0	0	0	0	27	0	0
Taste (quantatative)	dilution no.	0	0	0	0	27	0	0
Iron as Fe	ug/l	200	2	4.873	60.8	52	0	0
Manganese as Mn	ug/l	50	0.4	0.875	1.7	52	0	0
Aluminium as Al	ug/l	200	<1.400	5.681	9.2	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	1.125	1.4	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	<0.950	<1.200	8	0	0
Copper as Cu	mg/l	2	0.004	0.02	0.054	8	0	0
Lead as Pb	ug/l	10	<0.200	1.75	6.9	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	2.65	11.8	8	0	0
Fluoride as F	mg/l	1.5	0.117	0.144	0.179	8	0	0
Selenium as Se	ug/l	10	<0.800	<0.800	<0.800	8	0	0
Boron as B	mg/l	1	0.049	0.053	0.056	8	0	0
Bromate as BrO <sub>3</sub>	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	0.002	8	0	0
Benzo (a) pyrene	ug/l	0.01	<0.001	<0.001	<0.001	8	0	0
Trihalomethanes	ug/l	100	12.7	17.95	24.1	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>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	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> 69693
<b>Time Period:</b> 01/01/2014 to 31/12/2014			
<b>Date extracted:</b> 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