

THAMES WATER UTILITIES
WATER QUALITY REPORT - 2014 DATA

Water Supply Zone: NLW42 KNIGHTSBRIDGE			Zone No.: 348			Population: 63297		
Time Period: 01/01/2014 to 31/12/2014			Concentration or Value			No. of Samples		% of samples contravening PCV
Date extracted: 10/04/2015			(all samples)			Total	Contra-vening	
Parameter	Units	PCV	Min.	Mean	Max.	Total	Contra-vening	
Coliform bacteria	no./100ml	0	0	0.006	1	156	1	0.6
<i>E. coli</i>	no./100ml	0	0	0	0	156	0	0
<i>Enterococci</i>	no./100ml	0	0	0	0	8	0	0
<i>Clostridium perfringens</i>	no./100ml	0	0	0	0	1147	0	0
Colony count 22°C	cfu/ml	-	0	1.75	21	52	0	0
Colony count 37°C	cfu/ml	-	0	1.904	24	52	0	0
Residual Disinfectant	mg/l	-	0.22	0.505	0.79	156	0	0
Colour (Pt/Co scale)	mg/lPt/Co	20	<0.800	1.494	3.9	52	0	0
Hydrogen Ion	pH	6.50-9.50	7.5	7.769	8.1	52	0	0
Turbidity	FTU	4	<0.060	0.074	0.12	53	0	0
Conductivity at 20°C	uS/cm	2500	533	572.75	603	52	0	0
Ammonium as NH4	mg/l	0.5	0.04	0.125	0.19	52	0	0
Chloride as Cl	mg/l	250	36.31	41.201	47.23	8	0	0
Sodium as Na	mg/l	200	23.7	27.825	32.2	8	0	0
Sulphate as SO4	mg/l	250	41.5	44.638	47.9	8	0	0
Nitrate as NO3	mg/l	50	19.6	23.625	29.1	52	0	0
Nitrite as NO2	mg/l	0.5	<0.010	0.064	0.21	52	0	0
Nitrate/Nitrite calculation	mg/l	1	0.41	0.493	0.59	52	0	0
Total Organic Carbon as C	mg/l	-	1.4	2.177	3.7	96	0	0
Total Hardness as CaCO3	mg/l	N/A	237	252	266	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	<2.000	3.44	11.1	52	0	0
Manganese as Mn	ug/l	50	0.2	0.796	1.3	52	0	0
Aluminium as Al	ug/l	200	<1.400	5.542	8.8	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	1.1	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	<0.004	0.065	0.161	8	0	0
Lead as Pb	ug/l	10	<0.200	0.813	5	8	0	0
Mercury as Hg	ug/l	1	<0.040	<0.088	<0.120	96	0	0
Nickel as Ni	ug/l	20	<1.300	1.388	1.7	8	0	0
Fluoride as F	mg/l	1.5	0.122	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	0.055	8	0	0
Bromate as BrO3	ug/l	10	<0.700	0.772	1.8	96	0	0
Cyanide as CN	ug/l	50	<0.700	0.713	1.1	96	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	14.7	19.763	22.4	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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Date extracted: 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	97	0	0
Bentazone	ug/l	0.1	<0.005	0.005	0.007	96	0	0
Bromoxynil	ug/l	0.1	<0.002	<0.005	<0.005	96	0	0
Carbetamide	ug/l	0.1	<0.003	0.003	0.008	97	0	0
Chlortoluron	ug/l	0.1	<0.003	<0.003	<0.003	97	0	0
Clopyralid	ug/l	0.1	<0.009	<0.010	<0.010	96	0	0
2,4-D	ug/l	0.1	<0.003	<0.004	<0.004	96	0	0
Dicamba	ug/l	0.1	<0.007	<0.007	<0.007	96	0	0
Dichlorprop	ug/l	0.1	<0.002	<0.004	<0.006	96	0	0
Diuron	ug/l	0.1	<0.003	<0.003	<0.003	97	0	0
Fluroxypyr	ug/l	0.1	<0.003	<0.006	<0.006	96	0	0
Isoproturon	ug/l	0.1	<0.004	<0.004	<0.004	97	0	0
Ioxynil	ug/l	0.1	<0.002	<0.005	<0.005	96	0	0
Linuron	ug/l	0.1	<0.004	<0.004	<0.004	97	0	0
Mecoprop	ug/l	0.1	<0.003	<0.007	<0.008	96	0	0
MCPA	ug/l	0.1	<0.002	<0.006	<0.006	96	0	0
MCPB	ug/l	0.1	<0.004	<0.005	<0.008	96	0	0
Pentachlorophenol	ug/l	0.1	<0.002	<0.004	<0.004	96	0	0
Propazine	ug/l	0.1	<0.002	<0.002	<0.002	96	0	0
Prometryn	ug/l	0.1	<0.002	<0.002	<0.002	96	0	0
Propyzamide	ug/l	0.1	<0.004	0.008	0.033	97	0	0
Simazine	ug/l	0.1	<0.005	<0.005	<0.005	97	0	0
2,4,5-T	ug/l	0.1	<0.003	<0.005	<0.005	96	0	0
Terbutryn	ug/l	0.1	<0.003	<0.003	<0.003	96	0	0
2,4-DB	ug/l	0.1	<0.004	<0.005	<0.005	96	0	0
Fenoprop	ug/l	0.1	<0.003	<0.004	<0.004	96	0	0
Monuron	ug/l	0.1	<0.003	<0.003	<0.003	97	0	0
Picloram	ug/l	0.1	<0.005	0.008	0.01	96	0	0
Triclopyr	ug/l	0.1	<0.003	<0.005	<0.005	96	0	0
Tebuthiuron	ug/l	0.1	<0.002	<0.002	<0.002	96	0	0
Ametryne	ug/l	0.1	<0.002	<0.002	<0.002	96	0	0
Carbendazim	ug/l	0.1	<0.002	0.002	0.008	97	0	0
Metaldehyde	ug/l	0.1	0.018	0.039	0.083	96	0	0
Metazachlor	ug/l	0.1	0.002	0.003	0.008	96	0	0
Quinmerac	ug/l	0.1	<0.004	0.006	0.017	97	0	0
Total Pesticides	ug/l	0.5	0	0.05	0.134	101	0	0

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		Population:	63297
Time Period: 01/01/2014 to 31/12/2014			
Date extracted: 10/04/2015			

Commentary on Water Quality:

Very good water quality, however one infringement to report for coliforms. Our investigations showed the infringement for coliforms was due to customer plumbing and not 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