

THAMES WATER UTILITIES
WATER QUALITY REPORT - 2014 DATA

Water Supply Zone: NLW12 HANGER LANE & STONEBRIDGE			Zone No.: 37		Population: 24357			
Time Period: 01/01/2014 to 31/12/2014			Concentration or Value (all samples)			No. of Samples		
Date extracted: 10/04/2015			Min.	Mean	Max.	Total	Contra-vening	% of samples contravening PCV
Coliform bacteria	no./100ml	0	0	0.017	1	60	1	1.7
<i>E. coli</i>	no./100ml	0	0	0	0	60	0	0
<i>Enterococci</i>	no./100ml	0	0	0	0	8	0	0
<i>Clostridium perfringens</i>	no./100ml	0	0	0	0	389	0	0
Colony count 22°C	cfu/ml	-	0	1.042	8	24	0	0
Colony count 37°C	cfu/ml	-	0	1.75	17	24	0	0
Residual Disinfectant	mg/l	-	0.21	0.567	0.78	60	0	0
Colour (Pt/Co scale)	mg/lPt/Co	20	<0.800	1.079	2	24	0	0
Hydrogen Ion	pH	6.50-9.50	7.4	7.679	8	24	0	0
Turbidity	FTU	4	<0.060	0.079	0.2	24	0	0
Conductivity at 20°C	uS/cm	2500	509	560	606	24	0	0
Ammonium as NH4	mg/l	0.5	0.08	0.142	0.2	24	0	0
Chloride as Cl	mg/l	250	35.15	39.538	46.65	8	0	0
Sodium as Na	mg/l	200	22.3	25.863	32.3	8	0	0
Sulphate as SO4	mg/l	250	41.8	44	49.1	8	0	0
Nitrate as NO3	mg/l	50	14.1	22.863	28	24	0	0
Nitrite as NO2	mg/l	0.5	0.01	0.033	0.11	24	0	0
Nitrate/Nitrite calculation	mg/l	1	0.32	0.468	0.57	24	0	0
Total Organic Carbon as C	mg/l	-	1.4	2.067	2.7	24	0	0
Total Hardness as CaCO3	mg/l	N/A	245	250	255	2	0	0
Odour (quantatative)	dilution no.	0	0	0	0	12	0	0
Taste (quantatative)	dilution no.	0	0	0	0	12	0	0
Iron as Fe	ug/l	200	<2.000	4.592	41.6	24	0	0
Manganese as Mn	ug/l	50	<0.200	0.846	3.1	24	0	0
Aluminium as Al	ug/l	200	<1.400	6.854	9.7	24	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	1.15	1.5	8	0	0
Cadmium as Cd	ug/l	5	<0.100	<0.113	<0.200	8	0	0
Chromium as Cr	ug/l	50	<0.800	<0.888	<0.900	8	0	0
Copper as Cu	mg/l	2	0.004	0.017	0.038	8	0	0
Lead as Pb	ug/l	10	<0.200	2.388	7.7	8	0	0
Mercury as Hg	ug/l	1	<0.040	<0.086	<0.090	24	0	0
Nickel as Ni	ug/l	20	<1.300	1.6	2.9	8	0	0
Fluoride as F	mg/l	1.5	0.121	0.142	0.173	8	0	0
Selenium as Se	ug/l	10	<0.800	<0.800	<0.800	8	0	0
Boron as B	mg/l	1	0.045	0.052	0.058	8	0	0
Bromate as BrO3	ug/l	10	<0.700	0.758	1.5	24	0	0
Cyanide as CN	ug/l	50	<0.700	0.717	1.1	24	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	14.3	17.525	20.5	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	24	0	0
Bentazone	ug/l	0.1	<0.005	<0.005	<0.005	24	0	0
Bromoxynil	ug/l	0.1	<0.002	<0.005	<0.005	24	0	0
Carbetamide	ug/l	0.1	<0.003	<0.003	<0.003	24	0	0
Chlortoluron	ug/l	0.1	<0.003	<0.003	<0.003	24	0	0
Clopyralid	ug/l	0.1	<0.009	<0.010	<0.010	24	0	0
2,4-D	ug/l	0.1	<0.003	<0.004	<0.004	24	0	0
Dicamba	ug/l	0.1	<0.007	<0.007	<0.007	24	0	0
Dichlorprop	ug/l	0.1	<0.002	<0.004	<0.006	24	0	0
Diuron	ug/l	0.1	<0.003	<0.003	<0.003	24	0	0
Fluroxypyr	ug/l	0.1	<0.003	<0.006	<0.006	24	0	0
Isoproturon	ug/l	0.1	<0.004	<0.004	<0.004	24	0	0
Ioxynil	ug/l	0.1	<0.002	<0.005	<0.005	24	0	0
Linuron	ug/l	0.1	<0.004	<0.004	<0.004	24	0	0
Mecoprop	ug/l	0.1	<0.003	<0.007	<0.008	24	0	0
MCPA	ug/l	0.1	<0.002	<0.006	<0.006	24	0	0
MCPB	ug/l	0.1	<0.004	<0.005	<0.008	24	0	0
Pentachlorophenol	ug/l	0.1	<0.002	<0.004	<0.004	24	0	0
Propazine	ug/l	0.1	<0.002	<0.002	<0.002	24	0	0
Prometryn	ug/l	0.1	<0.002	<0.002	<0.002	24	0	0
Propyzamide	ug/l	0.1	<0.004	0.004	0.006	24	0	0
Simazine	ug/l	0.1	<0.005	<0.005	<0.005	24	0	0
2,4,5-T	ug/l	0.1	<0.003	<0.005	<0.005	24	0	0
Terbutryn	ug/l	0.1	<0.003	<0.003	<0.003	24	0	0
2,4-DB	ug/l	0.1	<0.004	<0.005	<0.005	24	0	0
Fenoprop	ug/l	0.1	<0.003	<0.004	<0.004	24	0	0
Monuron	ug/l	0.1	<0.003	<0.003	<0.003	24	0	0
Picloram	ug/l	0.1	<0.005	<0.008	<0.008	24	0	0
Triclopyr	ug/l	0.1	<0.003	<0.005	<0.005	24	0	0
Tebuthiuron	ug/l	0.1	<0.002	<0.002	<0.002	24	0	0
Ametryne	ug/l	0.1	<0.002	<0.002	<0.002	24	0	0
Carbendazim	ug/l	0.1	<0.002	<0.002	<0.002	24	0	0
Metaldehyde	ug/l	0.1	0.027	0.04	0.071	24	0	0
Metazachlor	ug/l	0.1	<0.002	<0.002	<0.002	24	0	0
Quinmerac	ug/l	0.1	<0.004	0.005	0.007	24	0	0
Total Pesticides	ug/l	0.5	0.027	0.045	0.084	24	0	0

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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