

THAMES WATER UTILITIES
WATER QUALITY REPORT - 2014 DATA

Water Supply Zone: NLW51 TEDDINGTON			Zone No.: 357					
			Population: 66667					
Time Period: 01/01/2014 to 31/12/2014			Concentration or Value (all samples)			No. of Samples		
Date extracted: 10/04/2015								
Parameter	Units	PCV	Min.	Mean	Max.	Total	Contra-vening	% of samples contravening PCV
Coliform bacteria	no./100ml	0	0	0	0	156	0	0
<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	417	0	0
Colony count 22°C	cfu/ml	-	0	0.792	4	53	0	0
Colony count 37°C	cfu/ml	-	0	0.774	6	53	0	0
Residual Disinfectant	mg/l	-	0.32	0.595	0.87	156	0	0
Colour (Pt/Co scale)	mg/lPt/Co	20	<0.800	1.554	4.1	52	0	0
Hydrogen Ion	pH	6.50-9.50	7.5	7.704	8.1	52	0	0
Turbidity	FTU	4	<0.060	0.079	0.19	52	0	0
Conductivity at 20°C	uS/cm	2500	507	559.519	610	52	0	0
Ammonium as NH ₄	mg/l	0.5	0.06	0.142	0.26	53	0	0
Chloride as Cl	mg/l	250	35.11	38.896	43.98	8	0	0
Sodium as Na	mg/l	200	21.9	25.713	31	8	0	0
Sulphate as SO ₄	mg/l	250	40.3	44	47.5	8	0	0
Nitrate as NO ₃	mg/l	50	18.9	24.011	27.5	53	0	0
Nitrite as NO ₂	mg/l	0.5	<0.010	0.015	0.09	53	0	0
Nitrate/Nitrite calculation	mg/l	1	0.38	0.483	0.55	53	0	0
Total Organic Carbon as C	mg/l	-	1.5	2.297	3.7	36	0	0
Total Hardness as CaCO ₃	mg/l	N/A	236	255	274	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	3.656	10.4	52	0	0
Manganese as Mn	ug/l	50	<0.200	<0.754	<0.800	52	0	0
Aluminium as Al	ug/l	200	<1.400	5.508	8.5	52	0	0
Antimony as Sb	ug/l	5	<0.700	<0.789	<0.800	9	0	0
Arsenic as As	ug/l	10	0.9	1.033	1.3	9	0	0
Cadmium as Cd	ug/l	5	<0.100	<0.100	<0.100	9	0	0
Chromium as Cr	ug/l	50	<0.800	<0.878	<0.900	9	0	0
Copper as Cu	mg/l	2	0.004	0.024	0.067	8	0	0
Lead as Pb	ug/l	10	<0.200	2.25	3.7	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	1.444	1.9	9	0	0
Fluoride as F	mg/l	1.5	0.123	0.152	0.182	8	0	0
Selenium as Se	ug/l	10	<0.800	<0.800	<0.800	9	0	0
Boron as B	mg/l	1	0.047	0.052	0.055	9	0	0
Bromate as BrO ₃	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	0.001	8	0	0
Benzo (a) pyrene	ug/l	0.01	<0.001	<0.001	<0.001	8	0	0
Trihalomethanes	ug/l	100	14.4	18.478	22.9	9	0	0
Tetra- & Trichloroethene calc	ug/l	10	0	0	0	8	0	0
Tetrachloromethane	ug/l	3	<0.200	<0.200	<0.200	9	0	0
1,2 dichloroethane	ug/l	3	<0.200	<0.267	<0.300	9	0	0

NOTE: PCV = Prescribed Concentration or Value

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Benzene	ug/l	1	<0.100	<0.100	<0.100	9	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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Population: 66667

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