

THAMES WATER UTILITIES
WATER QUALITY REPORT - 2014 DATA

Water Supply Zone: NLW50 SUNBURY WEST			Zone No.: 356			Population: 13707		
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	% of samples contravening PCV
Coliform bacteria	no./100ml	0	0	0	0	36	0	0
<i>E. coli</i>	no./100ml	0	0	0	0	36	0	0
<i>Enterococci</i>	no./100ml	0	0	0	0	9	0	0
<i>Clostridium perfringens</i>	no./100ml	0	0	0	0	754	0	0
Colony count 22°C	cfu/ml	-	0	7.917	82	24	0	0
Colony count 37°C	cfu/ml	-	0	8.958	>200.000	24	0	0
Residual Disinfectant	mg/l	-	0.28	0.561	0.81	36	0	0
Colour (Pt/Co scale)	mg/lPt/Co	20	<0.800	1.571	4.2	24	0	0
Hydrogen Ion	pH	6.50-9.50	7.6	7.708	8	24	0	0
Turbidity	FTU	4	<0.060	0.073	0.1	24	0	0
Conductivity at 20°C	uS/cm	2500	513	557.25	606	24	0	0
Ammonium as NH4	mg/l	0.5	0.07	0.139	0.21	24	0	0
Chloride as Cl	mg/l	250	32.81	38.178	43.43	8	0	0
Sodium as Na	mg/l	200	21.6	25.078	29	9	0	0
Sulphate as SO4	mg/l	250	40.8	43.463	45.5	8	0	0
Nitrate as NO3	mg/l	50	20.3	24.013	27.5	24	0	0
Nitrite as NO2	mg/l	0.5	0.01	0.02	0.15	25	0	0
Nitrate/Nitrite calculation	mg/l	1	0.41	0.485	0.55	24	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	238	255	272	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	4.142	12.6	26	0	0
Manganese as Mn	ug/l	50	<0.200	<0.754	<0.800	26	0	0
Aluminium as Al	ug/l	200	<1.400	5.773	9.1	26	0	0
Antimony as Sb	ug/l	5	<0.700	<0.788	<0.800	8	0	0
Arsenic as As	ug/l	10	0.8	1.025	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	0.007	0.015	8	0	0
Lead as Pb	ug/l	10	<0.200	1.8	6.4	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	<1.338	<1.600	8	0	0
Fluoride as F	mg/l	1.5	0.126	0.143	0.171	8	0	0
Selenium as Se	ug/l	10	<0.800	0.825	0.9	8	0	0
Boron as B	mg/l	1	0.044	0.051	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	0.002	0.005	9	0	0
Benzo (a) pyrene	ug/l	0.01	<0.001	<0.001	<0.001	9	0	0
Trihalomethanes	ug/l	100	12.4	20.033	30.5	9	0	0
Tetra- & Trichloroethene calc	ug/l	10	0	0	0	9	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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			Population: 13707					
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Date extracted: 10/04/2015								
Parameter	Units	PCV	Min.	Mean	Max.	Total	Contra- vening	
Benzene	ug/l	1	<0.100	<0.100	<0.100	9	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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Water Supply Zone:	NLW50	SUNBURY WEST	Zone No.:	356
			Population:	13707
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