

THAMES WATER UTILITIES
WATER QUALITY REPORT - 2014 DATA

Water Supply Zone: NLW49 SUNBURY EAST			Zone No.: 355			Population: 32272		
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	0	84	0	0
<i>E. coli</i>	no./100ml	0	0	0	0	84	0	0
<i>Enterococci</i>	no./100ml	0	0	0	0	8	0	0
<i>Clostridium perfringens</i>	no./100ml	0	0	0	0	401	0	0
Colony count 22°C	cfu/ml	-	0	4.111	53	36	0	0
Colony count 37°C	cfu/ml	-	0	3.351	66	37	0	0
Residual Disinfectant	mg/l	-	0.25	0.581	0.84	84	0	0
Colour (Pt/Co scale)	mg/lPt/Co	20	<0.800	1.567	3.9	36	0	0
Hydrogen Ion	pH	6.50-9.50	7.6	7.678	7.8	36	0	0
Turbidity	FTU	4	<0.060	0.08	0.19	36	0	0
Conductivity at 20°C	uS/cm	2500	508	558.417	609	36	0	0
Ammonium as NH4	mg/l	0.5	0.06	0.143	0.25	36	0	0
Chloride as Cl	mg/l	250	34.89	39.135	44.68	8	0	0
Sodium as Na	mg/l	200	21.7	26.275	31.2	8	0	0
Sulphate as SO4	mg/l	250	42.3	44.1	47.3	8	0	0
Nitrate as NO3	mg/l	50	17.3	24.089	27.7	36	0	0
Nitrite as NO2	mg/l	0.5	<0.010	0.013	0.07	37	0	0
Nitrate/Nitrite calculation	mg/l	1	0.35	0.484	0.56	36	0	0
Total Organic Carbon as C	mg/l	-	1.5	2.297	3.7	36	0	0
Total Hardness as CaCO3	mg/l	N/A	234	258	281	2	0	0
Odour (quantatative)	dilution no.	0	0	0	0	18	0	0
Taste (quantatative)	dilution no.	0	0	0	0	18	0	0
Iron as Fe	ug/l	200	<2.000	3.867	11.7	36	0	0
Manganese as Mn	ug/l	50	<0.200	0.786	1.5	36	0	0
Aluminium as Al	ug/l	200	<1.400	6.008	8.6	36	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	1.113	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	0.012	0.035	8	0	0
Lead as Pb	ug/l	10	0.2	0.925	2.8	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	2.413	7.3	8	0	0
Fluoride as F	mg/l	1.5	0.122	0.146	0.185	8	0	0
Selenium as Se	ug/l	10	<0.800	<0.800	<0.800	8	0	0
Boron as B	mg/l	1	0.048	0.054	0.057	8	0	0
Bromate as BrO3	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	0.001	0.003	8	0	0
Benzo (a) pyrene	ug/l	0.01	<0.001	<0.001	<0.001	8	0	0
Trihalomethanes	ug/l	100	12.2	17.278	24.5	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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			Population: 32272					
Time Period: 01/01/2014 to 31/12/2014			Concentration or Value			No. of Samples		
Date extracted: 10/04/2015			(all samples)					
Parameter	Units	PCV	Min.	Mean	Max.	Total	Contra-vening	% of samples contravening PCV
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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Water Supply Zone:	NLW49	SUNBURY EAST	Zone No.:	355
			Population:	32272
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