

THAMES WATER UTILITIES
WATER QUALITY REPORT - 2014 DATA

Water Supply Zone: R38 ILSLEY			Zone No.: 285					
			Population: 2195					
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	12	0	0
<i>E. coli</i>	no./100ml	0	0	0	0	12	0	0
<i>Enterococci</i>	no./100ml	0	0	0	0	4	0	0
<i>Clostridium perfringens</i>	no./100ml	0	0	0	0	265	0	0
Colony count 22°C	cfu/ml	-	0	30.25	120	4	0	0
Colony count 37°C	cfu/ml	-	0	29.75	119	4	0	0
Residual Disinfectant	mg/l	-	0.11	0.259	0.4	12	0	0
Colour (Pt/Co scale)	mg/lPt/Co	20	<0.800	<0.800	<0.800	4	0	0
Hydrogen Ion	pH	6.50-9.50	7.2	7.3	7.4	4	0	0
Turbidity	FTU	4	<0.060	0.073	0.09	4	0	0
Conductivity at 20°C	uS/cm	2500	564	581	621	4	0	0
Ammonium as NH ₄	mg/l	0.5	<0.030	<0.030	<0.030	4	0	0
Chloride as Cl	mg/l	250	19.51	23.71	27.61	4	0	0
Sodium as Na	mg/l	200	8.9	13.98	17.6	5	0	0
Sulphate as SO ₄	mg/l	250	12	18.625	26.4	4	0	0
Nitrate as NO ₃	mg/l	50	27.5	31.375	37.7	4	0	0
Nitrite as NO ₂	mg/l	0.5	<0.010	<0.010	<0.010	4	0	0
Nitrate/Nitrite calculation	mg/l	1	0.55	0.625	0.75	4	0	0
Total Organic Carbon as C	mg/l	-	0.4	0.7	1	12	0	0
Total Hardness as CaCO ₃	mg/l	N/A	301	302	302	2	0	0
Odour (quantatative)	dilution no.	0	0	0	0	2	0	0
Taste (quantatative)	dilution no.	0	0	0	0	2	0	0
Iron as Fe	ug/l	200	<2.000	4.892	17.6	12	0	0
Manganese as Mn	ug/l	50	<0.800	<0.800	<0.800	4	0	0
Aluminium as Al	ug/l	200	2.7	6.775	15.8	4	0	0
Antimony as Sb	ug/l	5	<0.800	<0.800	<0.800	4	0	0
Arsenic as As	ug/l	10	<0.300	0.325	0.4	4	0	0
Cadmium as Cd	ug/l	5	<0.100	<0.100	<0.100	4	0	0
Chromium as Cr	ug/l	50	<0.900	<0.900	<0.900	4	0	0
Copper as Cu	mg/l	2	0.011	0.079	0.166	4	0	0
Lead as Pb	ug/l	10	<0.200	0.3	0.6	4	0	0
Mercury as Hg	ug/l	1	<0.090	<0.090	<0.090	12	0	0
Nickel as Ni	ug/l	20	<1.300	<1.300	<1.300	4	0	0
Fluoride as F	mg/l	1.5	0.092	0.119	0.147	4	0	0
Selenium as Se	ug/l	10	<0.800	<0.800	<0.800	4	0	0
Boron as B	mg/l	1	0.015	0.025	0.039	4	0	0
Bromate as BrO ₃	ug/l	10	<0.700	0.75	1	12	0	0
Cyanide as CN	ug/l	50	<0.700	0.758	1.2	12	0	0
PAHs (Sum of 4 substances)	ug/l	0.1	0	0	0	4	0	0
Benzo (a) pyrene	ug/l	0.01	<0.001	<0.001	<0.001	5	0	0
Trihalomethanes	ug/l	100	1.7	4.575	7.2	4	0	0
Tetra- & Trichloroethene calc	ug/l	10	0	0	0	4	0	0
Tetrachloromethane	ug/l	3	<0.200	<0.200	<0.200	4	0	0
1,2 dichloroethane	ug/l	3	<0.200	<0.250	<0.300	4	0	0

NOTE: PCV = Prescribed Concentration or Value

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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	4	0	0
Atrazine	ug/l	0.1	<0.005	0.01	0.026	13	0	0
Bentazone	ug/l	0.1	<0.005	<0.005	<0.005	12	0	0
Bromoxynil	ug/l	0.1	<0.005	<0.005	<0.005	12	0	0
Carbetamide	ug/l	0.1	<0.003	<0.003	<0.003	13	0	0
Chlortoluron	ug/l	0.1	<0.003	0.007	0.016	13	0	0
Clopyralid	ug/l	0.1	<0.010	<0.010	<0.010	12	0	0
2,4-D	ug/l	0.1	<0.004	<0.004	<0.004	12	0	0
Dicamba	ug/l	0.1	<0.007	<0.007	<0.007	12	0	0
Dichlorprop	ug/l	0.1	<0.004	<0.004	<0.004	12	0	0
Diuron	ug/l	0.1	<0.003	<0.003	<0.003	13	0	0
Fluroxypyr	ug/l	0.1	<0.006	<0.006	<0.006	12	0	0
Isoproturon	ug/l	0.1	<0.004	<0.004	<0.004	13	0	0
Ioxynil	ug/l	0.1	<0.005	<0.005	<0.005	12	0	0
Linuron	ug/l	0.1	<0.004	<0.004	<0.004	13	0	0
Mecoprop	ug/l	0.1	<0.008	<0.008	<0.008	12	0	0
MCPA	ug/l	0.1	<0.006	<0.006	<0.006	12	0	0
MCPB	ug/l	0.1	<0.004	<0.004	<0.004	12	0	0
Pentachlorophenol	ug/l	0.1	<0.004	<0.004	<0.004	12	0	0
Propazine	ug/l	0.1	<0.002	0.003	0.007	13	0	0
Prometryn	ug/l	0.1	<0.002	<0.002	<0.002	13	0	0
Propyzamide	ug/l	0.1	<0.004	<0.004	<0.004	13	0	0
Simazine	ug/l	0.1	<0.005	<0.005	<0.005	13	0	0
2,4,5-T	ug/l	0.1	<0.005	<0.005	<0.005	12	0	0
Terbutryn	ug/l	0.1	<0.003	<0.003	<0.003	13	0	0
2,4-DB	ug/l	0.1	<0.005	<0.005	<0.005	12	0	0
Fenoprop	ug/l	0.1	<0.004	<0.004	<0.004	12	0	0
Monuron	ug/l	0.1	<0.003	0.005	0.015	13	0	0
Picloram	ug/l	0.1	<0.008	<0.008	<0.008	12	0	0
Triclopyr	ug/l	0.1	<0.005	<0.005	<0.005	12	0	0
Tebuthiuron	ug/l	0.1	<0.002	<0.002	<0.002	13	0	0
Ametryne	ug/l	0.1	<0.002	<0.002	<0.002	13	0	0
Carbendazim	ug/l	0.1	<0.002	<0.002	<0.002	13	0	0
Metaldehyde	ug/l	0.1	<0.005	0.007	0.012	13	0	0
Total Pesticides	ug/l	0.5	0	0.021	0.064	13	0	0

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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