

**THAMES WATER UTILITIES**  
**WATER QUALITY REPORT - 2014 DATA**

<b>Water Supply Zone:</b> R35 BRADFIELD			<b>Zone No.:</b> 281					
			<b>Population:</b> 2323					
<b>Time Period: 01/01/2014 to 31/12/2014</b>			<b>Concentration or Value (all samples)</b>			<b>No. of Samples</b>		
<b>Date extracted: 10/04/2015</b>								
Parameter	Units	PCV	Min.	Mean	Max.	Total	Contra-vening	% of samples contravening PCV
Coliform bacteria	no./100ml	0	0	0.667	8	12	1	8.3
<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	8	0	0
Colony count 22°C	cfu/ml	-	0	0.25	1	4	0	0
Colony count 37°C	cfu/ml	-	0	0.25	1	4	0	0
Residual Disinfectant	mg/l	-	0.2	0.342	0.68	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	0.06	0.068	<0.070	4	0	0
Conductivity at 20°C	uS/cm	2500	549	563.5	583	4	0	0
Ammonium as NH <sub>4</sub>	mg/l	0.5	<0.030	<0.030	<0.030	4	0	0
Chloride as Cl	mg/l	250	20.9	21.76	22.33	4	0	0
Sodium as Na	mg/l	200	10.2	21.6	55.8	4	0	0
Sulphate as SO <sub>4</sub>	mg/l	250	16	21.825	27	4	0	0
Nitrate as NO <sub>3</sub>	mg/l	50	28.7	31.55	35	4	0	0
Nitrite as NO <sub>2</sub>	mg/l	0.5	<0.010	<0.010	<0.010	4	0	0
Nitrate/Nitrite calculation	mg/l	1	0.57	0.63	0.7	4	0	0
Total Organic Carbon as C	mg/l	-	0.5	0.55	0.7	8	0	0
Total Hardness as CaCO <sub>3</sub>	mg/l	N/A	304	306	307	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	<1.000	4.017	14.5	12	0	0
Manganese as Mn	ug/l	50	<0.800	0.85	1	4	0	0
Aluminium as Al	ug/l	200	<1.400	3.5	9.7	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	<0.300	<0.300	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	0.009	0.023	0.029	4	0	0
Lead as Pb	ug/l	10	0.2	0.5	0.7	4	0	0
Mercury as Hg	ug/l	1	<0.040	<0.084	<0.090	8	0	0
Nickel as Ni	ug/l	20	<1.300	<1.300	<1.300	4	0	0
Fluoride as F	mg/l	1.5	0.081	0.094	0.109	4	0	0
Selenium as Se	ug/l	10	0.8	1.05	1.3	4	0	0
Boron as B	mg/l	1	0.017	0.032	0.075	4	0	0
Bromate as BrO <sub>3</sub>	ug/l	10	<0.700	<0.700	<0.700	8	0	0
Cyanide as CN	ug/l	50	<0.700	<0.700	<0.700	8	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	4	0	0
Trihalomethanes	ug/l	100	2.2	5.575	10.7	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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<b>Time Period:</b> 01/01/2014 to 31/12/2014			<b>Concentration or Value</b> (all samples)			<b>No. of Samples</b>		
<b>Date extracted:</b> 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	4	0	0
Atrazine	ug/l	0.1	<0.005	0.021	0.04	8	0	0
Bentazone	ug/l	0.1	<0.005	<0.005	<0.005	8	0	0
Bromoxynil	ug/l	0.1	<0.002	<0.005	<0.005	8	0	0
Carbetamide	ug/l	0.1	<0.003	<0.003	<0.003	8	0	0
Chlortoluron	ug/l	0.1	<0.003	<0.003	<0.003	8	0	0
Clopyralid	ug/l	0.1	<0.009	<0.010	<0.010	8	0	0
2,4-D	ug/l	0.1	<0.003	<0.004	<0.004	8	0	0
Dicamba	ug/l	0.1	<0.007	<0.007	<0.007	8	0	0
Dichlorprop	ug/l	0.1	<0.002	<0.004	<0.004	8	0	0
Diuron	ug/l	0.1	<0.003	<0.003	<0.003	8	0	0
Fluroxypyr	ug/l	0.1	<0.003	<0.006	<0.006	8	0	0
Isoproturon	ug/l	0.1	<0.004	<0.004	<0.004	8	0	0
Ioxynil	ug/l	0.1	<0.002	<0.005	<0.005	8	0	0
Linuron	ug/l	0.1	<0.004	<0.004	<0.004	8	0	0
Mecoprop	ug/l	0.1	<0.003	<0.007	<0.008	8	0	0
MCPA	ug/l	0.1	<0.002	<0.005	<0.006	8	0	0
MCPB	ug/l	0.1	<0.004	<0.005	<0.008	8	0	0
Pentachlorophenol	ug/l	0.1	<0.002	<0.004	<0.004	8	0	0
Propazine	ug/l	0.1	<0.002	<0.002	<0.002	8	0	0
Prometryn	ug/l	0.1	<0.002	<0.002	<0.002	8	0	0
Propyzamide	ug/l	0.1	<0.004	<0.004	<0.004	8	0	0
Simazine	ug/l	0.1	<0.005	<0.005	<0.005	8	0	0
2,4,5-T	ug/l	0.1	<0.003	<0.005	<0.005	8	0	0
Terbutryn	ug/l	0.1	<0.003	<0.003	<0.003	8	0	0
2,4-DB	ug/l	0.1	<0.004	<0.005	<0.005	8	0	0
Fenoprop	ug/l	0.1	<0.003	<0.004	<0.004	8	0	0
Monuron	ug/l	0.1	<0.003	<0.003	<0.003	8	0	0
Picloram	ug/l	0.1	<0.005	<0.007	<0.008	8	0	0
Triclopyr	ug/l	0.1	<0.003	<0.005	<0.005	8	0	0
Tebuthiuron	ug/l	0.1	<0.002	<0.002	<0.002	8	0	0
Ametryne	ug/l	0.1	<0.002	<0.002	<0.002	8	0	0
Carbendazim	ug/l	0.1	<0.002	<0.002	<0.002	8	0	0
Metaldehyde	ug/l	0.1	<0.005	<0.006	<0.006	8	0	0
Total Pesticides	ug/l	0.5	0	0.019	0.04	8	0	0

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<b>Water Supply Zone:</b>	R35	BRADFIELD	<b>Zone No.:</b>	281
			<b>Population:</b>	2323
<b>Time Period:</b> 01/01/2014 to 31/12/2014				
<b>Date extracted:</b> 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 transitory 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