

THAMES WATER UTILITIES
WATER QUALITY REPORT - 2014 DATA

Water Supply Zone: R 1			BLEWBURY & CHILTON			Zone No.: 166		
						Population: 2922		
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	261	0	0
Colony count 22°C	cfu/ml	-	0	1.25	5	4	0	0
Colony count 37°C	cfu/ml	-	0	0.25	1	4	0	0
Residual Disinfectant	mg/l	-	0.12	0.297	0.38	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	7.3	7.475	7.7	4	0	0
Turbidity	FTU	4	<0.060	<0.068	<0.070	4	0	0
Conductivity at 20°C	uS/cm	2500	410	526.5	569	4	0	0
Ammonium as NH4	mg/l	0.5	<0.030	<0.030	<0.030	4	0	0
Chloride as Cl	mg/l	250	12.31	22.26	25.82	4	0	0
Sodium as Na	mg/l	200	17.4	17.6	17.8	4	0	0
Sulphate as SO4	mg/l	250	20.5	28.775	35.9	4	0	0
Nitrate as NO3	mg/l	50	16.7	24.225	27.5	4	0	0
Nitrite as NO2	mg/l	0.5	<0.010	<0.010	<0.010	4	0	0
Nitrate/Nitrite calculation	mg/l	1	0.33	0.483	0.55	4	0	0
Total Organic Carbon as C	mg/l	-	0.6	0.763	1	8	0	0
Total Hardness as CaCO3	mg/l	N/A	219	248	276	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	1.8	3.158	15.7	12	0	0
Manganese as Mn	ug/l	50	<0.800	<0.800	<0.800	5	0	0
Aluminium as Al	ug/l	200	<1.400	2.28	3.8	5	0	0
Antimony as Sb	ug/l	5	<0.800	<0.800	<0.800	4	0	0
Arsenic as As	ug/l	10	0.4	0.525	0.9	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	5	0	0
Copper as Cu	mg/l	2	0.004	0.035	0.067	4	0	0
Lead as Pb	ug/l	10	<0.200	0.35	0.7	4	0	0
Mercury as Hg	ug/l	1	<0.090	<0.090	<0.090	8	0	0
Nickel as Ni	ug/l	20	<1.300	1.375	1.6	4	0	0
Fluoride as F	mg/l	1.5	0.085	0.131	0.162	4	0	0
Selenium as Se	ug/l	10	<0.800	<0.800	<0.800	4	0	0
Boron as B	mg/l	1	0.016	0.039	0.046	5	0	0
Bromate as BrO3	ug/l	10	0.7	0.775	1	8	0	0
Cyanide as CN	ug/l	50	<0.700	0.763	1.2	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	5	0	0
Trihalomethanes	ug/l	100	6.9	10.55	12	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	<0.005	<0.005	9	0	0
Bentazone	ug/l	0.1	<0.005	<0.005	<0.005	8	0	0
Bromoxynil	ug/l	0.1	<0.005	<0.005	<0.005	8	0	0
Carbetamide	ug/l	0.1	<0.003	<0.003	<0.003	9	0	0
Chlortoluron	ug/l	0.1	<0.003	<0.003	<0.003	9	0	0
Clopyralid	ug/l	0.1	<0.010	<0.010	<0.010	8	0	0
2,4-D	ug/l	0.1	<0.004	<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	<0.004	<0.004	<0.004	8	0	0
Diuron	ug/l	0.1	<0.003	<0.003	<0.003	9	0	0
Fluroxypyr	ug/l	0.1	<0.006	<0.006	<0.006	8	0	0
Isoproturon	ug/l	0.1	<0.004	<0.004	<0.004	9	0	0
Ioxynil	ug/l	0.1	<0.005	<0.005	<0.005	8	0	0
Linuron	ug/l	0.1	<0.004	<0.004	<0.004	9	0	0
Mecoprop	ug/l	0.1	<0.008	<0.008	<0.008	8	0	0
MCPA	ug/l	0.1	<0.006	<0.006	<0.006	8	0	0
MCPB	ug/l	0.1	<0.004	<0.004	<0.004	8	0	0
Pentachlorophenol	ug/l	0.1	<0.004	<0.004	<0.004	8	0	0
Propazine	ug/l	0.1	<0.002	<0.002	<0.002	9	0	0
Prometryn	ug/l	0.1	<0.002	<0.002	<0.002	9	0	0
Propyzamide	ug/l	0.1	<0.004	<0.004	<0.004	9	0	0
Simazine	ug/l	0.1	<0.005	<0.005	<0.005	9	0	0
2,4,5-T	ug/l	0.1	<0.005	<0.005	<0.005	8	0	0
Terbutryn	ug/l	0.1	<0.003	<0.003	<0.003	9	0	0
2,4-DB	ug/l	0.1	<0.005	<0.005	<0.005	8	0	0
Fenoprop	ug/l	0.1	<0.004	<0.004	<0.004	8	0	0
Monuron	ug/l	0.1	<0.003	<0.003	<0.003	9	0	0
Picloram	ug/l	0.1	<0.008	<0.008	<0.008	8	0	0
Triclopyr	ug/l	0.1	<0.005	<0.005	<0.005	8	0	0
Tebuthiuron	ug/l	0.1	<0.002	<0.002	<0.002	9	0	0
Ametryne	ug/l	0.1	<0.002	<0.002	<0.002	9	0	0
Carbendazim	ug/l	0.1	<0.002	<0.002	<0.002	9	0	0
Metaldehyde	ug/l	0.1	<0.006	0.008	0.012	9	0	0
Total Pesticides	ug/l	0.5	0	0.007	0.015	9	0	0

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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