

THAMES WATER UTILITIES
WATER QUALITY REPORT - 2014 DATA

Water Supply Zone: S25			FARINGDON TOWN			Zone No.: 290		
						Population: 12850		
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	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	8	0	0
<i>Clostridium perfringens</i>	no./100ml	0	0	0	0	208	0	0
Colony count 22°C	cfu/ml	-	0	0.417	7	24	0	0
Colony count 37°C	cfu/ml	-	0	0.292	2	24	0	0
Residual Disinfectant	mg/l	-	0.1	0.414	0.64	36	0	0
Colour (Pt/Co scale)	mg/lPt/Co	20	<0.200	0.767	1	24	0	0
Hydrogen Ion	pH	6.50-9.50	7.1	7.254	7.5	24	0	0
Turbidity	FTU	4	<0.040	0.115	0.47	24	0	0
Conductivity at 20°C	uS/cm	2500	482	529.75	580	24	0	0
Ammonium as NH ₄	mg/l	0.5	<0.030	<0.030	<0.030	24	0	0
Chloride as Cl	mg/l	250	29.99	33.865	37.12	8	0	0
Sodium as Na	mg/l	200	15.8	18.7	23.6	9	0	0
Sulphate as SO ₄	mg/l	250	63.1	74.225	91.7	8	0	0
Nitrate as NO ₃	mg/l	50	13.4	16.425	19.2	8	0	0
Nitrite as NO ₂	mg/l	0.5	<0.010	<0.010	<0.010	8	0	0
Nitrate/Nitrite calculation	mg/l	1	0.27	0.329	0.38	8	0	0
Total Organic Carbon as C	mg/l	-	1.2	1.433	1.6	12	0	0
Total Hardness as CaCO ₃	mg/l	N/A	221	241	261	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	24.192	99.1	25	0	0
Manganese as Mn	ug/l	50	<0.200	1.348	5.1	25	0	0
Aluminium as Al	ug/l	200	2	7.328	17.6	25	0	0
Antimony as Sb	ug/l	5	<0.500	<0.763	<0.800	8	0	0
Arsenic as As	ug/l	10	0.4	0.513	0.7	8	0	0
Cadmium as Cd	ug/l	5	<0.100	<0.113	<0.200	8	0	0
Chromium as Cr	ug/l	50	<0.900	<0.933	<1.200	9	0	0
Copper as Cu	mg/l	2	0.003	0.019	0.067	8	0	0
Lead as Pb	ug/l	10	<0.200	0.525	1.8	8	0	0
Mercury as Hg	ug/l	1	<0.090	<0.093	<0.120	12	0	0
Nickel as Ni	ug/l	20	<1.300	<1.350	<1.600	8	0	0
Fluoride as F	mg/l	1.5	0.084	0.114	0.175	8	0	0
Selenium as Se	ug/l	10	<0.800	<0.800	<0.800	8	0	0
Boron as B	mg/l	1	0.035	0.042	0.047	9	0	0
Bromate as BrO ₃	ug/l	10	<0.700	0.758	1.1	12	0	0
Cyanide as CN	ug/l	50	<0.700	<0.700	<0.700	12	0	0
PAHs (Sum of 4 substances)	ug/l	0.1	0	0	0	8	0	0
Benzo (a) pyrene	ug/l	0.01	<0.001	<0.001	<0.001	8	0	0
Trihalomethanes	ug/l	100	12	17.163	24	8	0	0
Tetra- & Trichloroethene calc	ug/l	10	0	0	0	8	0	0
Tetrachloromethane	ug/l	3	<0.200	<0.200	<0.200	8	0	0
1,2 dichloroethane	ug/l	3	<0.200	<0.263	<0.300	8	0	0

NOTE: PCV = Prescribed Concentration or Value

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Benzene	ug/l	1	<0.100	<0.100	<0.100	8	0	0
Atrazine	ug/l	0.1	<0.005	<0.005	<0.005	12	0	0
Bentazone	ug/l	0.1	<0.005	<0.005	<0.005	12	0	0
Bromoxynil	ug/l	0.1	<0.002	<0.005	<0.005	12	0	0
Carbetamide	ug/l	0.1	<0.003	<0.003	<0.003	12	0	0
Chlortoluron	ug/l	0.1	<0.003	<0.003	<0.003	12	0	0
Clopyralid	ug/l	0.1	<0.009	<0.010	<0.010	12	0	0
2,4-D	ug/l	0.1	<0.003	<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	<0.002	<0.004	<0.006	12	0	0
Diuron	ug/l	0.1	<0.003	<0.003	<0.003	12	0	0
Fluroxypyr	ug/l	0.1	<0.003	<0.006	<0.006	12	0	0
Isoproturon	ug/l	0.1	<0.004	<0.004	<0.004	12	0	0
Ioxynil	ug/l	0.1	<0.002	<0.005	<0.005	12	0	0
Linuron	ug/l	0.1	<0.004	<0.004	<0.004	12	0	0
Mecoprop	ug/l	0.1	<0.003	<0.007	<0.008	12	0	0
MCPA	ug/l	0.1	<0.002	<0.006	<0.006	12	0	0
MCPB	ug/l	0.1	<0.004	<0.005	<0.008	12	0	0
Pentachlorophenol	ug/l	0.1	<0.002	<0.004	<0.004	12	0	0
Propazine	ug/l	0.1	<0.002	<0.002	<0.002	12	0	0
Prometryn	ug/l	0.1	<0.002	<0.002	<0.002	12	0	0
Propyzamide	ug/l	0.1	<0.003	<0.004	<0.004	12	0	0
Simazine	ug/l	0.1	<0.005	<0.005	<0.005	12	0	0
2,4,5-T	ug/l	0.1	<0.003	<0.005	<0.005	12	0	0
Terbutryn	ug/l	0.1	<0.003	<0.003	<0.003	12	0	0
2,4-DB	ug/l	0.1	<0.004	<0.005	<0.005	12	0	0
Fenoprop	ug/l	0.1	<0.003	<0.004	<0.004	12	0	0
Monuron	ug/l	0.1	<0.003	<0.003	<0.003	12	0	0
Picloram	ug/l	0.1	<0.005	<0.008	<0.008	12	0	0
Triclopyr	ug/l	0.1	<0.003	<0.005	<0.005	12	0	0
Tebuthiuron	ug/l	0.1	<0.002	<0.002	<0.002	12	0	0
Ametryne	ug/l	0.1	<0.002	<0.002	<0.002	12	0	0
Carbendazim	ug/l	0.1	<0.002	<0.002	<0.002	12	0	0
Metaldehyde	ug/l	0.1	0.012	0.021	0.045	12	0	0
Metazachlor	ug/l	0.1	<0.002	<0.002	<0.002	12	0	0
Quinmerac	ug/l	0.1	<0.004	<0.004	<0.004	12	0	0
Total Pesticides	ug/l	0.5	0.012	0.021	0.045	12	0	0
Gross alpha activity	Bq/l	0.1	<0.040	<0.040	<0.040	12	0	0
Gross beta activity	Bq/l	1	0.09	0.251	1.82	12	1	8.3

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Date extracted: 10/04/2015			

Commentary on Water Quality:

Very good water quality, however one infringement to report for gross beta activity. Our investigations (in conjunction with the Environment Agency) showed the infringement for gross beta activity was anomalous at one of our supplying assets (and not likely to recur), 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