THAMES WATER UTILITIES WATER QUALITY REPORT - 2014 DATA

Time Period: 01/01/2014 to 31/12/2014 Date extracted: 10/04/2015 PCV Min. Mean Max. Total Contravening % of samples PCV Coliform bacteria no./100ml 0 0 0 0 36 0 0 0 E.coli no./100ml 0 0 0 0 36 0 0 0 Enterococci no./100ml 0 0 0 0 0 36 0 0 0 Enterococci no./100ml 0 0 0 0 0 0 36 0 0 0 Colony count 22°C cfu/ml - 0 0.417 7 24 0 0 0 0 0 0 0 0 0	Water Supply Zone: S25 FARINGDON TOWN Zone No.: 290								
Parameter Units PCV Min. Mean Max. Total Contra-vening Contraversion Coliform bacteria no./100ml 0 0 0 0 36 0 0 0 0 0 0 0 0 0		1/12/2014		Concentration or Value			No. of Samples		
E. coli		Units	PCV		-			Contra-	% of samples contravening PCV
Enterococci no./100ml 0 0 0 0 0 8 0 0 0 Clostridium perfringens no./100ml 0 0 0 0 0 0 208 0 0 0 Colony count 22°C cfu/ml - 0 0.417 7 24 0 0 0 0 Colony count 37°C cfu/ml - 0 0.292 2 24 0 0 0 Colony count 37°C cfu/ml - 0 0.292 2 24 0 0 0 Colony count 37°C cfu/ml - 0 0.414 0.64 36 0 0 0 Colour (Pt/Co scale) mg/lPt/Co 20 <0.200 0.767 1 24 0 0 0 0 Colour (Pt/Co scale) mg/lPt/Co 20 <0.200 0.767 1 24 0 0 0 0 0 0 0 0 0	Coliform bacteria	no./100ml	0	0	0	0	36	0	0
Clostridium perfringens	E. coli	no./100ml	0	0	0	0	36	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 (PVCo scale) mg/lPVCo 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 NH4 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 Sulphate as SO4 mg/	Enterococci	no./100ml	0	0	0	0	8	0	0
Colony count 37°C Cfu/ml - 0 0.292 2 24 0 0	Clostridium perfringens	no./100ml	0	0	0	0	208	0	0
Residual Disinfectant	Colony count 22°C	cfu/ml	-	0	0.417	7	24	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	Colony count 37°C	cfu/ml	-	0	0.292	2	24	0	0
Hydrogen Ion	Residual Disinfectant	mg/l	-	0.1	0.414	0.64	36	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 NH4 mg/l 0.5 <0.030	Colour (Pt/Co scale)	mg/IPt/Co	20	<0.200	0.767	1	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 NH4 mg/l 0.5 <0.030	Hydrogen Ion	pН	6.50-9.50	7.1	7.254	7.5	24	0	0
Ammonium as NH4 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 SO4 mg/l 250 63.1 74.225 91.7 8 0 0 Nitrate as NO3 mg/l 50 13.4 16.425 19.2 8 0 0 Nitrate as NO2 mg/l 0.5 <0.010	· ·		4	<0.040	0.115	0.47	24	0	0
Ammonium as NH4 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 SO4 mg/l 250 63.1 74.225 91.7 8 0 0 Nitrate as NO3 mg/l 50 13.4 16.425 19.2 8 0 0 Nitrate as NO2 mg/l 0.5 <0.010		uS/cm	2500	482	529.75		24	0	
Chloride as CI mg/I 250 29.99 33.865 37.12 8 0 0 Sodium as Na mg/I 200 15.8 18.7 23.6 9 0 0 Sulphate as SO4 mg/I 250 63.1 74.225 91.7 8 0 0 Nitrate as NO3 mg/I 50 13.4 16.425 19.2 8 0 0 Nitrate as NO2 mg/I 0.5 <0.010	Ammonium as NH4	mg/l	0.5	<0.030	<0.030	<0.030	24	0	0
Sodium as Na mg/l 200 15.8 18.7 23.6 9 0 0 Sulphate as SO4 mg/l 250 63.1 74.225 91.7 8 0 0 Nitrate as NO3 mg/l 50 13.4 16.425 19.2 8 0 0 Nitrate As NO2 mg/l 0.5 <0.010	Chloride as Cl		250	29.99	33.865	37.12	8	0	0
Sulphate as SO4 mg/l 250 63.1 74.225 91.7 8 0 0 Nitrate as NO3 mg/l 50 13.4 16.425 19.2 8 0 0 Nitrite as NO2 mg/l 0.5 <0.010	Sodium as Na		200	15.8	18.7	23.6	9	0	0
Nitrate as NO3	Sulphate as SO4		250	63.1				0	
Nitrite as NO2	·	-						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 CaCO3 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	Nitrite as NO2			<0.010			8	0	
Total Organic Carbon as C mg/l - 1.2 1.433 1.6 12 0 0 Total Hardness as CaCO3 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		-							
Total Hardness as CaCO3 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	Total Organic Carbon as C		-					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			N/A					0	
Taste (quantatative) dilution no. 0 0 0 0 12 0 0 Iron as Fe ug/l 200 <2.000									
Iron as Fe ug/l 200 <2.000 24.192 99.1 25 0 0 Manganese as Mn ug/l 50 <0.200									
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			_					_	
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		·							
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	-	-							
Arsenic as As ug/l 10 0.4 0.513 0.7 8 0 0 Cadmium as Cd ug/l 5 <0.100									
Cadmium as Cd ug/l 5 <0.100 <0.113 <0.200 8 0 0 Chromium as Cr ug/l 50 <0.900									
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		-							
Copper as Cu mg/l 2 0.003 0.019 0.067 8 0 0 Lead as Pb ug/l 10 <0.200									
Lead as Pb ug/l 10 <0.200 0.525 1.8 8 0 0 Mercury as Hg ug/l 1 <0.090		-							
Mercury as Hg ug/l 1 <0.090 <0.093 <0.120 12 0 0 Nickel as Ni ug/l 20 <1.300	• • • • • • • • • • • • • • • • • • • •	·							
Nickel as Ni ug/l 20 <1.300 <1.600 8 0 0 Fluoride as F mg/l 1.5 0.084 0.114 0.175 8 0 0									
Fluoride as F mg/l 1.5 0.084 0.114 0.175 8 0 0									
■ Selenium as Se ug/i TU <0.800 <0.800 <0.800 8 U ()	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 BrO3 ug/l 10 <0.700 0.758 1.1 12 0 0									
Cyanide as CN ug/l 50 <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 8 0 0	` ,								
Trihalomethanes ug/l 100 12 17.163 24 8 0 0		-							
Tetra- & Trichloroethene calc ug/l 10 0 0 8 0 0		·							
Tetrachloromethane ug/l 3 <0.200 <0.200 8 0 0									
1,2 dichloroethane ug/l 3 <0.200 <0.263 <0.300 8 0 0									

THAMES WATER UTILITIES WATER QUALITY REPORT - 2014 DATA

Water Supply Zone:	S25	FARINGDON	NWOT			Zone No.:	290	
					Po	pulation:	12850	
Time Period: 01/01/2014 to 3	31/12/2014		Conce	ntration o	r Value	No. of S	Samples	
Date extracted: 10/04/2015			(a	II sample	s)	No. of Samples		
Parameter	Units	PCV	Min.	Mean	Max.	Total	Contra- vening	% of samples contravening PCV
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
loxynil	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

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

Date extracted: 10/04/2015

Commentary on Water Quality	/:
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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