THAMES WATER UTILITIES WATER QUALITY REPORT - 2014 DATA

Parameter	Water Supply Zone: OX26 WEST OXFORD & KIDLINGTON Zone No.: 294 Population: 35451								
Parameter				Concentration or Value			•		
E. coli		Units	PCV				Total		% of samples contravening PCV
Enterococci	Coliform bacteria	no./100ml	0	0	0.115	11	96	1	1
Clostridium perfringens no./100ml 0 0 0 0 0 4177 0 0 0 Colony count 22°C cfu/ml - 0 0 8.611 >300.000 36 0 0 0 0 0 0 0 0 0	E. coli	no./100ml	0	0	0	0	96	0	0
Colony count 22°C Cfu/ml - 0 8.611 -300.000 36 0 0 Colony count 37°C Cfu/ml - 0 8.833 -300.000 36 0 0 0 Colony count 37°C Cfu/ml - 0 8.833 -300.000 36 0 0 0 Colour (Pt/Co scale) mg/lPt/Co 20 -0.200 0.82 2.1 37 0 0 0 Colour (Pt/Co scale) mg/lPt/Co 20 -0.200 0.8 2.1 37 0 0 0 Colour (Pt/Co scale) mg/lPt/Co 20 -0.200 0.8 2.1 37 0 0 0 Colour (Pt/Co scale) mg/lPt/Co 20 -0.200 0.8 2.1 37 0 0 0 Colour (Pt/Co scale) mg/lPt/Co 20 -0.200 0.8 2.1 37 0 0 0 Colour (Pt/Co scale) mg/lPt/Co 20 -0.200 0.8 0.39 36 0 0 0 Colour (Pt/Co scale) mg/l 250 451 513.865 581 37 0 0 0 Colour (Pt/Co scale) mg/l 250 29.83 33.27 36.55 8 0 0 0 Colour (Pt/Co scale) mg/l 250 29.83 33.27 36.55 8 0 0 0 Colour (Pt/Co scale) mg/l 250 58.2 70.613 83.8 8 0 0 0 Colour (Pt/Co scale) mg/l 250 58.2 70.613 83.8 8 0 0 Colour (Pt/Co scale) mg/l 250 58.2 70.613 83.8 8 0 0 Colour (Pt/Co scale) mg/l 1 0.22 0.311 0.41 8 0 0 Colour (Pt/Co scale) mg/l 1 0.22 0.311 0.41 8 0 0 Colour (Pt/Co scale) mg/l 1 0.22 0.311 0.41 8 0 0 Colour (Pt/Co scale) mg/l 1 0.22 0.311 0.41 8 0 0 Colour (Pt/Co scale) mg/l 1 0.22 0.311 0.41 8 0 0 Colour (Pt/Co scale) mg/l 1 0.22 0.311 0.41 8 0 0 Colour (Pt/Co scale) mg/l 1 0.22 0.311 0.41 8 0 0 Colour (Pt/Co scale) mg/l 1 0.22 0.311 0.41 8 0 0 Colour (Pt/Co scale) mg/l 1 0.22 0.311 0.41 8 0 0 Colour (Pt/Co scale) mg/l 1 0.22 0.311 0.41 8 0 0 Colour (Pt/Co scale) mg/l 1 0.22 0.311 0.41 8 0 0 Colour (Pt/Co scale) mg/l 1 0.22 0.311 0.41 8 0 0 Colour (Pt/Co scale) mg/l 1 0.22 0.311 0.41 8 0 0 Colour (Pt/Co scale) mg/l 1	Enterococci	no./100ml	0	0	0	0	8	0	0
Colony count 37°C Cfu/ml -	Clostridium perfringens	no./100ml	0	0	0	0	417	0	0
Residual Disinfectant	Colony count 22°C	cfu/ml	-	0	8.611	>300.000	36	0	0
Colour (Pt/Co scale) mg/lPt/Co 20 <0.200 0.8 2.1 37 0 0	Colony count 37°C	cfu/ml	-	0	8.833	>300.000	36	0	0
Hydrogen Ion	Residual Disinfectant	mg/l	-	<0.050	0.426	0.88	96	0	0
Turbidity	Colour (Pt/Co scale)	mg/IPt/Co	20	<0.200	0.8	2.1	37	0	0
Conductivity at 20°C	Hydrogen Ion	рН	6.50-9.50	7.1	7.276	7.6	37	0	0
Ammonium as NH4	Turbidity	FTU	4	<0.060	0.108	0.39	36	0	0
Ammonium as NH4	·	uS/cm	2500	451	513.865	581	37	0	0
Sodium as Na	Ammonium as NH4	mg/l	0.5	<0.030	0.032	0.09	36	0	0
Sulphate as SO4 mg/l 250 58.2 70.613 83.8 8 0 0	Chloride as Cl	mg/l	250	29.83	33.27	36.55	8	0	0
Sulphate as SO4 mg/l 250 58.2 70.613 83.8 8 0 0	Sodium as Na	mg/l	200	15.4	18.825	23.9	8	0	0
Nitrate as NO3	Sulphate as SO4	mg/l	250	58.2	70.613	83.8	8	0	0
Nitrate/Nitrite calculation mg/l 1 0.22 0.311 0.41 8 0 0	Nitrate as NO3	mg/l	50	11	15.475	20.2	8	0	0
Nitrate/Nitrite calculation mg/l 1 0.22 0.311 0.41 8 0 0	Nitrite as NO2		0.5	<0.010	<0.010	<0.010	8	0	0
Total Organic Carbon as C mg/l - 0.9 1.367 1.6 24 0 0 Total Hardness as CaCO3 mg/l N/A 223 243 263 2 0 0 Odour (quantatative) dilution no. 0 0 0 0 18 0 0 Iron as Fe ug/l 200 <2.000	Nitrate/Nitrite calculation	-	1	0.22	0.311	0.41	8	0	0
Total Hardness as CaCO3 mg/l N/A 223 243 263 2 0 0 Odour (quantatative) dilution no. 0 0 0 0 18 0 0 Taste (quantatative) dilution no. 0 0 0 0 18 0 0 Iron as Fe ug/l 200 <2.000	Total Organic Carbon as C		-	0.9	1.367	1.6	24	0	0
Odour (quantatative) dilution no. 0 0 0 18 0 0 Taste (quantatative) dilution no. 0 0 0 0 18 0 0 Iron as Fe ug/l 200 <2.000	•	_	N/A	223	243	263	2	0	0
Taste (quantatative) dilution no. 0 0 0 18 0 0 Iron as Fe ug/l 200 <2.000	Odour (quantatative)		0				18	0	0
Iron as Fe		dilution no.	0	0	0	0	18	0	0
Manganese as Mn ug/l 50 <0.200 1.1 4.9 36 0 0 Aluminium as Al ug/l 200 2.8 9.758 24.4 36 0 0 Antimony as Sb ug/l 5 <0.500		ug/l	200	<2.000	14.417	91	36	0	0
Aluminium as AI ug/I 200 2.8 9.758 24.4 36 0 0 Antimony as Sb ug/I 5 <0.500	Manganese as Mn		50		1.1	4.9	36	0	
Antimony as Sb		_	200		9.758	24.4	36	0	0
Arsenic as As ug/l 10 0.4 0.488 0.8 8 0 0 Cadmium as Cd ug/l 5 <0.100			5				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	0
Chromium as Cr ug/l 50 <0.900 <0.950 <1.200 8 0 0 Copper as Cu mg/l 2 0.003 0.026 0.071 8 0 0 Lead as Pb ug/l 10 <0.200					<0.113				
Copper as Cu mg/l 2 0.003 0.026 0.071 8 0 0 Lead as Pb ug/l 10 <0.200	Chromium as Cr		50				8	0	0
Lead as Pb ug/l 10 <0.200 1.875 7.9 8 0 0 Mercury as Hg ug/l 1 <0.090	Copper as Cu		2	0.003	0.026	0.071	8	0	0
Mercury as Hg ug/l 1 <0.090 <0.093 <0.120 24 0 0 Nickel as Ni ug/l 20 <1.300		_					8	0	0
Nickel as Ni ug/l 20 <1.300 <1.338 <1.600 8 0 0 Fluoride as F mg/l 1.5 0.1 0.125 0.176 8 0 0 Selenium as Se ug/l 10 <0.800	Mercury as Hg								
Fluoride as F mg/l 1.5 0.1 0.125 0.176 8 0 0 Selenium as Se ug/l 10 <0.800	, ,	Ť							
Selenium as Se ug/l 10 <0.800 <0.800 <0.800 8 0 0 Boron as B mg/l 1 0.035 0.041 0.047 8 0 0 Bromate as BrO3 ug/l 10 <0.700		T T							
Boron as B mg/l 1 0.035 0.041 0.047 8 0 0 Bromate as BrO3 ug/l 10 <0.700									
Bromate as BrO3 ug/l 10 <0.700 0.903 1.6 32 0 0 Cyanide as CN ug/l 50 <0.700		_							
Cyanide as CN ug/l 50 <0.700 0.729 1.1 24 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		-							
PAHs (Sum of 4 substances) ug/l 0.1 0 0 0 8 0 0 Benzo (a) pyrene ug/l 0.01 <0.001								_	
Benzo (a) pyrene ug/l 0.01 <0.001 <0.001 <0.001 8 0 0 Trihalomethanes ug/l 100 8.8 16.438 27.8 8 0 0 Tetra- & Trichloroethene calc ug/l 10 0 0 8 0 0	•								
Trihalomethanes ug/l 100 8.8 16.438 27.8 8 0 0 Tetra- & Trichloroethene calc ug/l 10 0 0 8 0 0	,								
Tetra- & Trichloroethene calc ug/l 10 0 0 0 8 0 0									
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. FORGONIOTORIUMO I WALL I U INV.ZUVINV.ZUVINV.ZUVINV.ZUVIN U	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		Ť							

THAMES WATER UTILITIES WATER QUALITY REPORT - 2014 DATA

Water Supply Zone:	OX26	WEST OXF	ORD & KIE	LINGTON	1 :	Zone No.:	294	
					Po	pulation:	35451	_
Time Period: 01/01/2014 to 31/12/2014 Date extracted: 10/04/2015			Concentration or Value (all samples)			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	24	0	0
Bentazone	ug/l	0.1	<0.005	<0.005	<0.005	24	0	0
Bromoxynil	ug/l	0.1	<0.002	<0.005	<0.005	24	0	0
Carbetamide	ug/l	0.1	<0.003	<0.003	<0.003	24	0	0
Chlortoluron	ug/l	0.1	<0.003	<0.003	<0.003	24	0	0
Clopyralid	ug/l	0.1	<0.009	<0.010	<0.010	24	0	0
2,4-D	ug/l	0.1	<0.003	<0.004	<0.004	24	0	0
Dicamba	ug/l	0.1	<0.007	<0.007	<0.007	24	0	0
Dichlorprop	ug/l	0.1	<0.002	<0.004	<0.006	24	0	0
Diuron	ug/l	0.1	<0.003	<0.003	<0.003	24	0	0
Fluroxypyr	ug/l	0.1	<0.003	<0.006	<0.006	24	0	0
Isoproturon	ug/l	0.1	<0.004	<0.004	<0.004	24	0	0
loxynil	ug/l	0.1	<0.002	<0.005	<0.005	24	0	0
Linuron	ug/l	0.1	<0.004	<0.004	<0.004	24	0	0
Mecoprop	ug/l	0.1	<0.003	<0.008	<0.008	24	0	0
MCPA	ug/l	0.1	<0.002	<0.006	<0.006	24	0	0
MCPB	ug/l	0.1	<0.004	<0.005	<0.008	24	0	0
Pentachlorophenol	ug/l	0.1	<0.002	<0.004	<0.004	24	0	0
Propazine	ug/l	0.1	<0.002	<0.002	<0.003	24	0	0
Prometryn	ug/l	0.1	<0.002	<0.002	<0.003	24	0	0
Propyzamide	ug/l	0.1	<0.003	<0.004	<0.004	24	0	0
Simazine	ug/l	0.1	<0.005	<0.005	<0.005	24	0	0
2,4,5-T	ug/l	0.1	<0.003	<0.005	<0.005	24	0	0
Terbutryn	ug/l	0.1	<0.003	<0.003	<0.003	24	0	0
2,4-DB	ug/l	0.1	<0.004	<0.005	<0.005	24	0	0
Fenoprop	ug/l	0.1	<0.003	<0.004	<0.004	24	0	0
Monuron	ug/l	0.1	<0.003	<0.003	<0.003	24	0	0
Picloram	ug/l	0.1	<0.005	<0.008	<0.008	24	0	0
Triclopyr	ug/l	0.1	<0.003	<0.005	<0.005	24	0	0
Tebuthiuron	ug/l	0.1	<0.002	<0.002	<0.003	24	0	0
Ametryne	ug/l	0.1	<0.002	<0.002	<0.003	24	0	0
Carbendazim	ug/l	0.1	<0.002	<0.002	<0.003	24	0	0
Metaldehyde	ug/l	0.1	<0.006	0.02	0.045	24	0	0
Metazachlor	ug/l	0.1	<0.002	<0.002	<0.002	24	0	0
Quinmerac	ug/l	0.1	<0.004	<0.004	<0.004	24	0	0
Total Pesticides	ug/l	0.5	0	0.019	0.045	24	0	0
Gross alpha activity	Bq/l	0.1	<0.040	0.041	0.05	24	0	0
Gross beta activity	Bq/l	1	0.09	0.182	1.82	24	1	4.2

THAMES WATER UTILITIES WATER QUALITY REPORT - 2014 DATA

Water Supply Zone: OX26 WEST OXFORD & KIDLINGTON Zone No.: 294

Population: 35451

Time Period: 01/01/2014 to 31/12/2014

Date extracted: 10/04/2015

Commentary on Water Quality:

Very good water quality, however one infringement to report for gross beta activity and one infringement to report for coliforms. 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 the infringement for coliforms was due to a slight deterioration in water quality within the distribution pipes - this was quickly resolved through maintenance activity. Neither of these infringements were indicative of the quality of water supplied to this zone.

TES: r some parameters, monitoring occurs at the supplying Water Treatment Works rather an the Water Supply Zone	