

THAMES WATER UTILITIES
WATER QUALITY REPORT - 2014 DATA

Water Supply Zone: SWA 9 WINDSOR & COLNBROOK			Zone No.: 151			Population: 47432		
Time Period: 01/01/2014 to 31/12/2014			Concentration or Value			No. of Samples		% of samples contravening PCV
Date extracted: 10/04/2015			(all samples)			Total	Contra- vening	
Parameter	Units	PCV	Min.	Mean	Max.	Total	Contra- vening	% of samples contravening PCV
Coliform bacteria	no./100ml	0	0	0	0	121	0	0
<i>E. coli</i>	no./100ml	0	0	0	0	121	0	0
<i>Enterococci</i>	no./100ml	0	0	0	0	8	0	0
<i>Clostridium perfringens</i>	no./100ml	0	0	0	0	261	0	0
Colony count 22°C	cfu/ml	-	0	0.784	13	37	0	0
Colony count 37°C	cfu/ml	-	0	0.639	15	36	0	0
Residual Disinfectant	mg/l	-	0.12	0.343	0.65	121	0	0
Colour (Pt/Co scale)	mg/lPt/Co	20	<0.200	0.851	1.6	37	0	0
Hydrogen Ion	pH	6.50-9.50	7.2	7.257	7.5	37	0	0
Turbidity	FTU	4	<0.040	0.07	0.11	36	0	0
Conductivity at 20°C	uS/cm	2500	602	657.405	700	37	0	0
Ammonium as NH ₄	mg/l	0.5	<0.030	<0.030	<0.030	36	0	0
Chloride as Cl	mg/l	250	34.45	45.718	52.68	8	0	0
Sodium as Na	mg/l	200	22.2	31.213	37.4	8	0	0
Sulphate as SO ₄	mg/l	250	47.1	58.288	65.1	8	0	0
Nitrate as NO ₃	mg/l	50	10	15.05	22.4	8	0	0
Nitrite as NO ₂	mg/l	0.5	0.01	0.01	0.01	8	0	0
Nitrate/Nitrite calculation	mg/l	1	0.2	0.3	0.45	8	0	0
Total Organic Carbon as C	mg/l	-	1.1	1.281	1.6	16	0	0
Total Hardness as CaCO ₃	mg/l	N/A	299	308	316	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	<1.000	2.572	24.1	36	0	0
Manganese as Mn	ug/l	50	<0.200	0.822	3.4	36	0	0
Aluminium as Al	ug/l	200	<1.400	<3.319	<6.300	36	0	0
Antimony as Sb	ug/l	5	<0.800	<0.800	<0.800	8	0	0
Arsenic as As	ug/l	10	0.7	0.838	0.9	8	0	0
Cadmium as Cd	ug/l	5	<0.100	<0.100	<0.100	8	0	0
Chromium as Cr	ug/l	50	<0.900	1.013	1.5	8	0	0
Copper as Cu	mg/l	2	0.014	0.06	0.147	8	0	0
Lead as Pb	ug/l	10	<0.200	1.038	6.1	8	0	0
Mercury as Hg	ug/l	1	<0.040	<0.084	<0.090	16	0	0
Nickel as Ni	ug/l	20	2.5	5.813	13.4	8	0	0
Fluoride as F	mg/l	1.5	0.132	0.328	0.564	8	0	0
Selenium as Se	ug/l	10	1.4	2.338	3.9	8	0	0
Boron as B	mg/l	1	0.059	0.102	0.138	8	0	0
Bromate as BrO ₃	ug/l	10	0.7	0.7	<0.700	16	0	0
Cyanide as CN	ug/l	50	<0.700	<0.700	<0.700	16	0	0
PAHs (Sum of 4 substances)	ug/l	0.1	0	0	0.002	8	0	0
Benzo (a) pyrene	ug/l	0.01	<0.001	<0.001	<0.001	8	0	0
Trihalomethanes	ug/l	100	9.5	15.113	27.7	8	0	0
Tetra- & Trichloroethene calc	ug/l	10	0	0.038	0.3	8	0	0
Tetrachloromethane	ug/l	3	<0.200	<0.200	<0.200	8	0	0
1,2 dichloroethane	ug/l	3	<0.200	<0.250	<0.300	8	0	0

NOTE: PCV = Prescribed Concentration or Value

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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	16	0	0
Bentazone	ug/l	0.1	<0.005	<0.005	<0.005	16	0	0
Bromoxynil	ug/l	0.1	<0.002	<0.005	<0.005	16	0	0
Carbetamide	ug/l	0.1	<0.003	<0.003	<0.003	16	0	0
Chlortoluron	ug/l	0.1	<0.003	<0.003	<0.003	16	0	0
Clopyralid	ug/l	0.1	<0.009	<0.010	<0.010	16	0	0
2,4-D	ug/l	0.1	<0.003	<0.004	<0.004	16	0	0
Dicamba	ug/l	0.1	<0.007	<0.007	<0.007	16	0	0
Dichlorprop	ug/l	0.1	<0.002	<0.004	<0.006	16	0	0
Diuron	ug/l	0.1	<0.003	<0.003	<0.003	16	0	0
Fluroxypyr	ug/l	0.1	<0.003	<0.005	<0.006	16	0	0
Isoproturon	ug/l	0.1	<0.004	<0.004	<0.004	16	0	0
Ioxynil	ug/l	0.1	<0.002	<0.005	<0.005	16	0	0
Linuron	ug/l	0.1	<0.004	<0.004	<0.004	16	0	0
Mecoprop	ug/l	0.1	<0.003	<0.007	<0.008	16	0	0
MCPA	ug/l	0.1	<0.002	<0.005	<0.006	16	0	0
MCPB	ug/l	0.1	<0.004	<0.005	<0.008	16	0	0
Pentachlorophenol	ug/l	0.1	<0.002	<0.004	<0.004	16	0	0
Propazine	ug/l	0.1	<0.002	<0.002	<0.002	16	0	0
Prometryn	ug/l	0.1	<0.002	<0.002	<0.002	16	0	0
Propyzamide	ug/l	0.1	<0.004	<0.004	<0.004	16	0	0
Simazine	ug/l	0.1	<0.005	<0.005	<0.005	16	0	0
2,4,5-T	ug/l	0.1	<0.003	<0.005	<0.005	16	0	0
Terbutryn	ug/l	0.1	<0.003	<0.003	<0.003	16	0	0
2,4-DB	ug/l	0.1	<0.004	<0.005	<0.005	16	0	0
Fenoprop	ug/l	0.1	<0.003	<0.004	<0.004	16	0	0
Monuron	ug/l	0.1	<0.003	<0.003	<0.003	16	0	0
Picloram	ug/l	0.1	<0.005	0.008	0.009	16	0	0
Triclopyr	ug/l	0.1	<0.003	<0.005	<0.005	16	0	0
Tebuthiuron	ug/l	0.1	<0.002	<0.002	<0.002	16	0	0
Ametryne	ug/l	0.1	<0.002	<0.002	<0.002	16	0	0
Carbendazim	ug/l	0.1	<0.002	<0.002	<0.002	16	0	0
Metaldehyde	ug/l	0.1	0.009	0.016	0.026	16	0	0
Total Pesticides	ug/l	0.5	0	0.016	0.026	17	0	0
Gross alpha activity	Bq/l	0.1	<0.040	0.042	0.07	18	0	0
Gross beta activity	Bq/l	1	0.1	0.148	0.21	16	0	0

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