

THAMES WATER UTILITIES
WATER QUALITY REPORT - 2014 DATA

Water Supply Zone: SWA12 SLOUGH NORTH			Zone No.: 154			Population: 54368		
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	
Coliform bacteria	no./100ml	0	0	0.014	1	144	2	1.4
<i>E. coli</i>	no./100ml	0	0	0	0	144	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	2.75	104	52	0	0
Colony count 37°C	cfu/ml	-	0	1.846	52	52	0	0
Residual Disinfectant	mg/l	-	0.11	0.338	0.52	144	0	0
Colour (Pt/Co scale)	mg/lPt/Co	20	<0.400	0.875	1.6	52	0	0
Hydrogen Ion	pH	6.50-9.50	7.1	7.24	7.5	52	0	0
Turbidity	FTU	4	<0.040	0.068	0.12	52	0	0
Conductivity at 20°C	uS/cm	2500	544	617.019	708	52	0	0
Ammonium as NH ₄	mg/l	0.5	<0.020	<0.030	<0.030	53	0	0
Chloride as Cl	mg/l	250	33.53	37.43	41.39	8	0	0
Sodium as Na	mg/l	200	21.4	23.65	26	8	0	0
Sulphate as SO ₄	mg/l	250	44.5	46.75	51.8	8	0	0
Nitrate as NO ₃	mg/l	50	21.5	23.338	26.5	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	0.43	0.466	0.53	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	279	289	298	2	0	0
Odour (quantatative)	dilution no.	0	0	0	0	27	0	0
Taste (quantatative)	dilution no.	0	0	0	0	27	0	0
Iron as Fe	ug/l	200	<1.000	2.05	8.2	52	0	0
Manganese as Mn	ug/l	50	<0.200	<0.765	<0.800	52	0	0
Aluminium as Al	ug/l	200	<1.400	4.177	17	52	0	0
Antimony as Sb	ug/l	5	<0.700	<0.788	<0.800	8	0	0
Arsenic as As	ug/l	10	0.7	0.775	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	<0.938	<1.200	8	0	0
Copper as Cu	mg/l	2	0.01	0.103	0.349	8	0	0
Lead as Pb	ug/l	10	0.2	0.275	0.6	8	0	0
Mercury as Hg	ug/l	1	<0.040	<0.084	<0.090	16	0	0
Nickel as Ni	ug/l	20	<1.300	2.75	12.2	8	0	0
Fluoride as F	mg/l	1.5	0.126	0.169	0.274	8	0	0
Selenium as Se	ug/l	10	0.8	1.275	2.4	8	0	0
Boron as B	mg/l	1	0.057	0.062	0.068	8	0	0
Bromate as BrO ₃	ug/l	10	<0.700	<0.700	<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	0.7	11.122	17.1	9	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	<0.267	<0.300	9	0	0

NOTE: PCV = Prescribed Concentration or Value

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Date extracted: 10/04/2015								
Parameter	Units	PCV	Min.	Mean	Max.	Total	Contra-vening	% of samples contravening PCV
Benzene	ug/l	1	<0.100	<0.100	<0.100	9	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	0.04	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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Date extracted: 10/04/2015				

Commentary on Water Quality:

Very good water quality, however two infringements to report for coliforms. Our investigations showed that both infringements for coliforms were transitory. Neither of these infringements were 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