THAMES WATER UTILITIES WATER QUALITY REPORT - 2014 DATA

Water Supply Zone: SLW 9 RICHMOND Zone No.: 101											
Time Period: 01/01/2014 4- 2	1/12/2014	Population: 56606									
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			
Coliform bacteria	no./100ml	0	0	0.008	1	132	1	0.8			
E. coli	no./100ml	0	0	0	0	132	0	0			
Enterococci	no./100ml	0	0	0	0	8	0	0			
Clostridium perfringens	no./100ml	0	0	0	0	417	0	0			
Colony count 22°C	cfu/ml	1	0	2.981	60	52	0	0			
Colony count 37°C	cfu/ml	•	0	8	>300.000	52	0	0			
Residual Disinfectant	mg/l	•	0.29	0.58	0.79	132	0	0			
Colour (Pt/Co scale)	mg/IPt/Co	20	0.8	1.563	4.1	52	0	0			
Hydrogen Ion	рН	6.50-9.50	7.5	7.685	7.9	52	0	0			
Turbidity	FTU	4	<0.060	0.074	0.14	52	0	0			
Conductivity at 20°C	uS/cm	2500	506	558.327	610	52	0	0			
Ammonium as NH4	mg/l	0.5	0.08	0.138	0.2	52	0	0			
Chloride as Cl	mg/l	250	33.17	39.263	44.79	8	0	0			
Sodium as Na	mg/l	200	22	27.138	31.7	8	0	0			
Sulphate as SO4	mg/l	250	42	44.038	49.5	8	0	0			
Nitrate as NO3	mg/l	50	20	24.083	28.1	52	0	0			
Nitrite as NO2	mg/l	0.5	<0.010	0.015	0.12	52	0	0			
Nitrate/Nitrite calculation	mg/l	1	0.4	0.485	0.56	52	0	0			
Total Organic Carbon as C	mg/l	-	1.5	2.297	3.7	36	0	0			
Total Hardness as CaCO3	mg/l	N/A	229	253	277	2	0	0			
Odour (quantatative)	dilution no.	0	0	0	0	28	0	0			
Taste (quantatative)	dilution no.	0	0	0	0	28	0	0			
Iron as Fe	ug/l	200	<2.000	3.227	8.9	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	5.746	8.2	52	0	0			
Antimony as Sb	ug/l	5	<0.700	<0.788	<0.800	8	0	0			
Arsenic as As	ug/l	10	0.9	1.038	1.3	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	0.004	0.015	0.056	8	0	0			
Lead as Pb	ug/l	10	<0.200	1.225	3.9	8	0	0			
Mercury as Hg	ug/l	1	<0.040	<0.088	<0.120	36	0	0			
Nickel as Ni	ug/l	20	<1.300	<1.388	<1.600	8	0	0			
Fluoride as F	mg/l	1.5	0.113	0.136	0.154	8	0	0			
Selenium as Se	ug/l	10	0.8	0.8	0.8	8	0	0			
Boron as B	mg/l	1	0.045	0.052	0.054	8	0	0			
Bromate as BrO3	ug/l	10	0.7	0.833	1.8	36	0	0			
Cyanide as CN	ug/l	50	<0.700	0.711	1	36	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	8.1	16.388	23.1	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			
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		_			Po	pulation:	56606	_
Time Period: 01/01/2014 to 31/12/2014 Date extracted: 10/04/2015			Concentration or Value			No. of Samples		
			(all samples)			Troi or oumpioo		
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	36	0	0
Bentazone	ug/l	0.1	<0.005	<0.005	<0.005	36	0	0
Bromoxynil	ug/l	0.1	<0.002	<0.005	<0.005	36	0	0
Carbetamide	ug/l	0.1	<0.003	0.003	0.006	36	0	0
Chlortoluron	ug/l	0.1	<0.003	<0.003	<0.003	36	0	0
Clopyralid	ug/l	0.1	<0.009	<0.010	<0.010	36	0	0
2,4-D	ug/l	0.1	<0.003	<0.004	<0.004	36	0	0
Dicamba	ug/l	0.1	<0.007	<0.007	<0.007	36	0	0
Dichlorprop	ug/l	0.1	<0.002	<0.004	<0.004	36	0	0
Diuron	ug/l	0.1	<0.003	<0.003	<0.003	36	0	0
Fluroxypyr	ug/l	0.1	<0.003	<0.006	<0.006	36	0	0
Isoproturon	ug/l	0.1	<0.004	<0.004	<0.004	36	0	0
loxynil	ug/l	0.1	<0.002	<0.005	<0.005	36	0	0
Linuron	ug/l	0.1	<0.004	<0.004	<0.004	36	0	0
Mecoprop	ug/l	0.1	<0.003	<0.007	<0.008	36	0	0
MCPA	ug/l	0.1	<0.002	<0.006	<0.006	36	0	0
MCPB	ug/l	0.1	<0.004	<0.005	<0.008	36	0	0
Pentachlorophenol	ug/l	0.1	<0.002	<0.004	<0.004	36	0	0
Propazine	ug/l	0.1	<0.002	<0.002	<0.002	36	0	0
Prometryn	ug/l	0.1	<0.002	<0.002	<0.002	36	0	0
Propyzamide	ug/l	0.1	<0.004	0.009	0.033	36	0	0
Simazine	ug/l	0.1	<0.005	<0.005	<0.005	36	0	0
2,4,5-T	ug/l	0.1	<0.003	<0.005	<0.005	36	0	0
Terbutryn	ug/l	0.1	<0.003	<0.003	<0.003	36	0	0
2,4-DB	ug/l	0.1	<0.004	<0.005	<0.005	36	0	0
Fenoprop	ug/l	0.1	<0.003	<0.004	<0.004	36	0	0
Monuron	ug/l	0.1	<0.003	<0.003	<0.003	36	0	0
Picloram	ug/l	0.1	<0.005	<0.008	<0.008	36	0	0
Triclopyr	ug/l	0.1	<0.003	<0.005	<0.005	36	0	0
Tebuthiuron	ug/l	0.1	<0.002	<0.002	<0.002	36	0	0
Ametryne	ug/l	0.1	<0.002	<0.002	<0.002	36	0	0
Carbendazim	ug/l	0.1	<0.002	<0.002	<0.002	36	0	0
Metaldehyde	ug/l	0.1	0.02	0.036	0.07	36	0	0
Metazachlor	ug/l	0.1	<0.002	0.002	0.003	36	0	0
Quinmerac	ug/l	0.1	<0.004	0.005	0.009	36	0	0
Total Pesticides	ug/l	0.5	0	0.044	0.099	38	0	0

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Water Supply Zone: SLW 9 **RICHMOND** Zone No.: 101 Population: 56606 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 coliforms. Our investigations showed the infringement for coliforms was transitory 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