

THAMES WATER UTILITIES
WATER QUALITY REPORT - 2014 DATA

Water Supply Zone: SLE35 ROTHERHITHE			Zone No.: 244			Population: 38092		
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	0.009	1	108	1	0.9
<i>E. coli</i>	no./100ml	0	0	0	0	108	0	0
<i>Enterococci</i>	no./100ml	0	0	0.125	1	8	1	12.5
<i>Clostridium perfringens</i>	no./100ml	0	0	0	0	1393	0	0
Colony count 22°C	cfu/ml	-	0	7.139	92	36	0	0
Colony count 37°C	cfu/ml	-	0	7.389	83	36	0	0
Residual Disinfectant	mg/l	-	0.18	0.418	0.7	108	0	0
Colour (Pt/Co scale)	mg/lPt/Co	20	0.8	1.436	4	36	0	0
Hydrogen Ion	pH	6.50-9.50	7.6	7.742	8.1	36	0	0
Turbidity	FTU	4	<0.040	0.091	0.58	36	0	0
Conductivity at 20°C	uS/cm	2500	518	559.778	599	36	0	0
Ammonium as NH ₄	mg/l	0.5	0.03	0.101	0.16	36	0	0
Chloride as Cl	mg/l	250	34.5	39.868	44.79	8	0	0
Sodium as Na	mg/l	200	24.2	27.3	31.2	8	0	0
Sulphate as SO ₄	mg/l	250	41.7	44.963	51.1	8	0	0
Nitrate as NO ₃	mg/l	50	21.6	23.653	25.8	36	0	0
Nitrite as NO ₂	mg/l	0.5	<0.010	0.04	0.1	36	0	0
Nitrate/Nitrite calculation	mg/l	1	0.44	0.486	0.53	36	0	0
Total Organic Carbon as C	mg/l	-	1.4	2.206	3.8	106	0	0
Total Hardness as CaCO ₃	mg/l	N/A	251	255	258	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	8.597	105.8	36	0	0
Manganese as Mn	ug/l	50	<0.200	0.889	4.1	36	0	0
Aluminium as Al	ug/l	200	<1.400	5.597	9.7	36	0	0
Antimony as Sb	ug/l	5	<0.700	<0.788	<0.800	8	0	0
Arsenic as As	ug/l	10	0.8	1.063	1.2	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	<0.963	<1.200	8	0	0
Copper as Cu	mg/l	2	0.004	0.027	0.132	8	0	0
Lead as Pb	ug/l	10	<0.200	<0.213	<0.300	8	0	0
Mercury as Hg	ug/l	1	<0.040	<0.088	<0.120	106	0	0
Nickel as Ni	ug/l	20	<1.300	1.388	1.7	8	0	0
Fluoride as F	mg/l	1.5	0.121	0.148	0.183	8	0	0
Selenium as Se	ug/l	10	<0.800	<0.800	<0.800	8	0	0
Boron as B	mg/l	1	0.045	0.053	0.057	8	0	0
Bromate as BrO ₃	ug/l	10	<0.700	1.079	14.5	107	1	0.9
Cyanide as CN	ug/l	50	<0.700	0.715	1.1	106	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	10	0	0
Trihalomethanes	ug/l	100	9.5	17.288	23	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
1,2 dichloroethane	ug/l	3	<0.200	<0.263	<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	107	0	0
Bentazone	ug/l	0.1	<0.005	0.005	0.007	107	0	0
Bromoxynil	ug/l	0.1	<0.002	<0.005	<0.005	107	0	0
Carbetamide	ug/l	0.1	<0.003	0.003	0.008	107	0	0
Chlortoluron	ug/l	0.1	<0.003	<0.003	<0.003	107	0	0
Clopyralid	ug/l	0.1	<0.009	<0.010	<0.010	107	0	0
2,4-D	ug/l	0.1	<0.003	<0.004	<0.004	107	0	0
Dicamba	ug/l	0.1	<0.007	<0.007	<0.007	107	0	0
Dichlorprop	ug/l	0.1	<0.002	<0.004	<0.006	107	0	0
Diuron	ug/l	0.1	<0.003	<0.003	<0.003	107	0	0
Fluroxypyr	ug/l	0.1	<0.003	<0.006	<0.006	107	0	0
Isoproturon	ug/l	0.1	<0.004	<0.004	<0.004	107	0	0
Ioxynil	ug/l	0.1	<0.002	<0.005	<0.005	107	0	0
Linuron	ug/l	0.1	<0.004	<0.004	<0.004	107	0	0
Mecoprop	ug/l	0.1	<0.003	<0.007	<0.008	107	0	0
MCPA	ug/l	0.1	<0.002	<0.006	<0.006	107	0	0
MCPB	ug/l	0.1	<0.004	<0.005	<0.008	107	0	0
Pentachlorophenol	ug/l	0.1	<0.002	<0.004	<0.004	107	0	0
Propazine	ug/l	0.1	<0.002	<0.002	<0.002	106	0	0
Prometryn	ug/l	0.1	<0.002	<0.002	<0.002	106	0	0
Propyzamide	ug/l	0.1	<0.004	0.007	0.033	107	0	0
Simazine	ug/l	0.1	<0.005	<0.005	<0.005	107	0	0
2,4,5-T	ug/l	0.1	<0.003	<0.005	<0.005	107	0	0
Terbutryn	ug/l	0.1	<0.003	<0.003	<0.003	106	0	0
2,4-DB	ug/l	0.1	<0.004	<0.005	<0.005	107	0	0
Fenoprop	ug/l	0.1	<0.003	<0.004	<0.004	107	0	0
Monuron	ug/l	0.1	<0.003	<0.003	<0.003	107	0	0
Picloram	ug/l	0.1	<0.005	0.008	0.01	107	0	0
Triclopyr	ug/l	0.1	<0.003	<0.005	<0.005	107	0	0
Tebuthiuron	ug/l	0.1	<0.002	<0.002	<0.002	106	0	0
Ametryne	ug/l	0.1	<0.002	<0.002	<0.002	106	0	0
Carbendazim	ug/l	0.1	<0.002	0.002	0.008	107	0	0
Metaldehyde	ug/l	0.1	0.018	0.039	0.083	106	0	0
Metazachlor	ug/l	0.1	<0.002	0.003	0.008	106	0	0
Quinmerac	ug/l	0.1	<0.004	0.006	0.017	107	0	0
Total Pesticides	ug/l	0.5	0	0.048	0.134	114	0	0

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Date extracted: 10/04/2015				

Commentary on Water Quality:

Very good water quality, however one infringement to report for bromate, one infringement to report for Enterococci and one infringement to report for coliforms. Our investigations showed the infringement for bromate was transitory at a supplying asset, the infringement for Enterococci was due to customer plumbing and the infringement for coliforms was transitory. None 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