

**THAMES WATER UTILITIES**  
**WATER QUALITY REPORT - 2014 DATA**

<b>Water Supply Zone:</b> SLE30 CHARLTON			<b>Zone No.:</b> 88					
			<b>Population:</b> 44364					
<b>Time Period: 01/01/2014 to 31/12/2014</b>			<b>Concentration or Value (all samples)</b>			<b>No. of Samples</b>		
<b>Date extracted: 10/04/2015</b>								
Parameter	Units	PCV	Min.	Mean	Max.	Total	Contra-vening	% of samples contravening PCV
Coliform bacteria	no./100ml	0	0	0.318	41	132	2	1.5
<i>E. coli</i>	no./100ml	0	0	0	0	132	0	0
<i>Enterococci</i>	no./100ml	0	0	0	0	8	0	0
<i>Clostridium perfringens</i>	no./100ml	0	0	0	0	1409	0	0
Colony count 22°C	cfu/ml	-	0	6.17	200	53	0	0
Colony count 37°C	cfu/ml	-	0	2.245	67	53	0	0
Residual Disinfectant	mg/l	-	0.15	0.4	0.66	133	0	0
Colour (Pt/Co scale)	mg/lPt/Co	20	<0.800	1.419	3.6	52	0	0
Hydrogen Ion	pH	6.50-9.50	7.3	7.685	7.9	52	0	0
Turbidity	FTU	4	<0.060	0.075	0.12	52	0	0
Conductivity at 20°C	uS/cm	2500	527	564.923	744	52	0	0
Ammonium as NH4	mg/l	0.5	0.03	0.104	0.17	52	0	0
Chloride as Cl	mg/l	250	33.71	39.215	45.75	8	0	0
Sodium as Na	mg/l	200	24.5	26.775	30.8	8	0	0
Sulphate as SO4	mg/l	250	41	44.325	50.5	8	0	0
Nitrate as NO3	mg/l	50	21	24.012	28.2	52	0	0
Nitrite as NO2	mg/l	0.5	0.01	0.044	0.14	52	0	0
Nitrate/Nitrite calculation	mg/l	1	0.44	0.494	0.56	52	0	0
Total Organic Carbon as C	mg/l	-	1.4	2.206	3.8	106	0	0
Total Hardness as CaCO3	mg/l	N/A	239	253	266	2	0	0
Odour (quantatative)	dilution no.	0	0	0	0	26	0	0
Taste (quantatative)	dilution no.	0	0	0	0	26	0	0
Iron as Fe	ug/l	200	<2.000	3.84	12.8	52	0	0
Manganese as Mn	ug/l	50	<0.200	0.777	1.5	52	0	0
Aluminium as Al	ug/l	200	<1.400	6.187	26.4	52	0	0
Antimony as Sb	ug/l	5	<0.700	<0.788	<0.800	8	0	0
Arsenic as As	ug/l	10	0.8	1.025	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	1.013	1.5	8	0	0
Copper as Cu	mg/l	2	0.004	0.013	0.029	8	0	0
Lead as Pb	ug/l	10	<0.200	0.325	1	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	0.112	0.149	0.193	8	0	0
Selenium as Se	ug/l	10	<0.800	0.85	1	8	0	0
Boron as B	mg/l	1	0.044	0.052	0.056	8	0	0
Bromate as BrO3	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	9	0	0
Trihalomethanes	ug/l	100	14.9	19.375	24.5	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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<b>Time Period:</b> 01/01/2014 to 31/12/2014			<b>Concentration or Value</b> (all samples)			<b>No. of Samples</b>		
<b>Date extracted:</b> 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	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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**Water Supply Zone:** SLE30 CHARLTON

**Zone No.:** 88

**Population:** 44364

**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 bromate and two infringements to report for coliforms. Our investigations showed the infringement for bromate was transitory at a supplying asset, one of the infringements for coliforms was due to customer plumbing and the other 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