

THAMES WATER UTILITIES
WATER QUALITY REPORT - 2014 DATA

Water Supply Zone: SLE 2 WESTERHAM			Zone No.: 60			Population: 10527		
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	0	37	0	0
<i>E. coli</i>	no./100ml	0	0	0	0	37	0	0
<i>Enterococci</i>	no./100ml	0	0	0	0	8	0	0
<i>Clostridium perfringens</i>	no./100ml	0	0	0	0	821	0	0
Colony count 22°C	cfu/ml	-	0	0.08	1	25	0	0
Colony count 37°C	cfu/ml	-	0	0.28	2	25	0	0
Residual Disinfectant	mg/l	-	0.08	0.203	0.46	37	0	0
Colour (Pt/Co scale)	mg/lPt/Co	20	<0.400	0.9	2.2	24	0	0
Hydrogen Ion	pH	6.50-9.50	7.2	7.429	7.9	24	0	0
Turbidity	FTU	4	<0.060	0.068	0.1	24	0	0
Conductivity at 20°C	uS/cm	2500	346	573.125	713	24	0	0
Ammonium as NH4	mg/l	0.5	0.03	0.035	0.11	24	0	0
Chloride as Cl	mg/l	250	23.25	28.99	37.84	8	0	0
Sodium as Na	mg/l	200	9.2	13.8	23.2	8	0	0
Sulphate as SO4	mg/l	250	28.7	36.863	47.7	8	0	0
Nitrate as NO3	mg/l	50	15.3	25.113	34.4	24	0	0
Nitrite as NO2	mg/l	0.5	0.01	0.023	0.09	24	0	0
Nitrate/Nitrite calculation	mg/l	1	0.31	0.508	0.69	24	0	0
Total Organic Carbon as C	mg/l	-	0.3	1.654	3.7	111	0	0
Total Hardness as CaCO3	mg/l	N/A	285	291	296	2	0	0
Odour (quantatative)	dilution no.	0	0	0	0	12	0	0
Taste (quantatative)	dilution no.	0	0	0	0	12	0	0
Iron as Fe	ug/l	200	<2.000	6.033	18.4	24	0	0
Manganese as Mn	ug/l	50	<0.200	0.792	1.4	24	0	0
Aluminium as Al	ug/l	200	<1.400	4.05	6.7	24	0	0
Antimony as Sb	ug/l	5	<0.700	<0.788	<0.800	8	0	0
Arsenic as As	ug/l	10	<0.300	0.488	0.7	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	1.063	1.5	8	0	0
Copper as Cu	mg/l	2	0.004	0.023	0.044	8	0	0
Lead as Pb	ug/l	10	0.2	0.538	2.5	8	0	0
Mercury as Hg	ug/l	1	<0.040	<0.087	<0.120	110	0	0
Nickel as Ni	ug/l	20	<1.300	<1.300	<1.300	8	0	0
Fluoride as F	mg/l	1.5	0.074	0.099	0.135	8	0	0
Selenium as Se	ug/l	10	<0.800	0.975	1.4	8	0	0
Boron as B	mg/l	1	0.019	0.031	0.047	8	0	0
Bromate as BrO3	ug/l	10	<0.700	0.75	1.8	111	0	0
Cyanide as CN	ug/l	50	<0.700	0.914	5.5	111	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	2	9.113	15	8	0	0
Tetra- & Trichloroethene calc	ug/l	10	0	0.238	0.9	8	0	0
Tetrachloromethane	ug/l	3	<0.200	<0.200	<0.200	8	0	0
1,2 dichloroethane	ug/l	3	<0.200	<0.238	<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	0.01	0.056	111	0	0
Bentazone	ug/l	0.1	<0.005	0.005	0.007	111	0	0
Bromoxynil	ug/l	0.1	<0.002	<0.005	<0.005	111	0	0
Carbetamide	ug/l	0.1	<0.003	0.003	0.008	111	0	0
Chlortoluron	ug/l	0.1	<0.003	0.003	0.01	111	0	0
Clopyralid	ug/l	0.1	<0.009	<0.010	<0.010	111	0	0
2,4-D	ug/l	0.1	<0.003	<0.004	<0.004	111	0	0
Dicamba	ug/l	0.1	<0.007	<0.007	<0.007	111	0	0
Dichlorprop	ug/l	0.1	<0.002	<0.004	<0.004	111	0	0
Diuron	ug/l	0.1	<0.003	0.006	0.038	111	0	0
Fluroxypyr	ug/l	0.1	<0.003	<0.006	<0.006	111	0	0
Isoproturon	ug/l	0.1	<0.004	<0.004	<0.004	111	0	0
Ioxynil	ug/l	0.1	<0.002	<0.005	<0.005	111	0	0
Linuron	ug/l	0.1	<0.004	<0.004	<0.004	111	0	0
Mecoprop	ug/l	0.1	<0.003	<0.007	<0.008	111	0	0
MCPA	ug/l	0.1	<0.002	<0.006	<0.006	111	0	0
MCPB	ug/l	0.1	<0.004	<0.005	<0.008	111	0	0
Pentachlorophenol	ug/l	0.1	<0.002	<0.004	<0.004	111	0	0
Propazine	ug/l	0.1	<0.002	<0.002	<0.002	110	0	0
Prometryn	ug/l	0.1	<0.002	<0.002	<0.002	110	0	0
Propyzamide	ug/l	0.1	<0.004	0.007	0.033	111	0	0
Simazine	ug/l	0.1	<0.005	0.007	0.024	111	0	0
2,4,5-T	ug/l	0.1	<0.003	<0.005	<0.005	111	0	0
Terbutryn	ug/l	0.1	<0.003	<0.003	<0.003	110	0	0
2,4-DB	ug/l	0.1	<0.004	<0.005	<0.005	111	0	0
Fenoprop	ug/l	0.1	<0.003	<0.004	<0.004	111	0	0
Monuron	ug/l	0.1	<0.003	0.003	0.004	111	0	0
Picloram	ug/l	0.1	<0.005	0.008	0.01	111	0	0
Triclopyr	ug/l	0.1	<0.003	<0.005	<0.005	111	0	0
Tebuthiuron	ug/l	0.1	<0.002	<0.002	<0.002	110	0	0
Ametryne	ug/l	0.1	<0.002	<0.002	<0.002	110	0	0
Carbendazim	ug/l	0.1	<0.002	0.002	0.008	111	0	0
Metaldehyde	ug/l	0.1	<0.005	0.027	0.083	111	0	0
Metazachlor	ug/l	0.1	<0.002	0.003	0.008	72	0	0
Quinmerac	ug/l	0.1	<0.004	0.007	0.017	73	0	0
Total Pesticides	ug/l	0.5	0	0.046	0.134	118	0	0
Gross alpha activity	Bq/l	0.1	<0.040	<0.040	<0.040	2	0	0
Gross beta activity	Bq/l	1	0.05	0.065	0.08	2	0	0

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Water Supply Zone:	SLE 2 WESTERHAM	Zone No.:	60
		Population:	10527
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