

THAMES WATER UTILITIES
WATER QUALITY REPORT - 2014 DATA

Water Supply Zone: SLE40 BEXLEY & BLACKFEN			Zone No.: 322			Population: 51111		
Time Period: 01/01/2014 to 31/12/2014 Date extracted: 10/04/2015			Concentration or Value (all samples)			No. of Samples		% of samples contravening PCV
Parameter	Units	PCV	Min.	Mean	Max.	Total	Contra- vening	
Coliform bacteria	no./100ml	0	0	0	0	132	0	0
<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	32	0	0
Colony count 22°C	cfu/ml	-	0	2.755	69	53	0	0
Colony count 37°C	cfu/ml	-	0	2.66	56	53	0	0
Residual Disinfectant	mg/l	-	0.11	0.321	0.5	133	0	0
Colour (Pt/Co scale)	mg/lPt/Co	20	<0.400	0.842	2.2	52	0	0
Hydrogen Ion	pH	6.50-9.50	7.1	7.263	7.7	52	0	0
Turbidity	FTU	4	<0.060	0.069	0.11	52	0	0
Conductivity at 20°C	uS/cm	2500	551	634.596	711	52	0	0
Ammonium as NH4	mg/l	0.5	<0.030	0.036	0.1	52	0	0
Chloride as Cl	mg/l	250	39.83	43.861	50.41	8	0	0
Sodium as Na	mg/l	200	21.3	35.063	120.7	8	0	0
Sulphate as SO4	mg/l	250	26.9	32.763	38.5	8	0	0
Nitrate as NO3	mg/l	50	29.7	35.438	40.3	8	0	0
Nitrite as NO2	mg/l	0.5	<0.010	<0.010	<0.010	8	0	0
Nitrate/Nitrite calculation	mg/l	1	0.59	0.71	0.81	8	0	0
Total Organic Carbon as C	mg/l	-	0.5	0.663	1	24	0	0
Total Hardness as CaCO3	mg/l	N/A	277	295	312	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	<1.000	2.658	6.7	12	0	0
Manganese as Mn	ug/l	50	<0.200	<0.725	<0.800	8	0	0
Aluminium as Al	ug/l	200	<1.400	2.875	5.5	8	0	0
Antimony as Sb	ug/l	5	<0.700	<0.788	<0.800	8	0	0
Arsenic as As	ug/l	10	0.3	0.375	0.6	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	0.025	0.065	8	0	0
Lead as Pb	ug/l	10	<0.200	0.588	1.4	8	0	0
Mercury as Hg	ug/l	1	<0.040	<0.087	<0.120	24	0	0
Nickel as Ni	ug/l	20	<1.300	<1.300	<1.300	8	0	0
Fluoride as F	mg/l	1.5	0.105	0.132	0.151	8	0	0
Selenium as Se	ug/l	10	1	1.338	2.2	8	0	0
Boron as B	mg/l	1	0.035	0.042	0.049	8	0	0
Bromate as BrO3	ug/l	10	<0.700	<0.700	<0.700	24	0	0
Cyanide as CN	ug/l	50	<0.700	0.708	0.8	24	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	4.5	9.963	16.9	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	0.008	0.012	24	0	0
Bentazone	ug/l	0.1	<0.005	<0.005	<0.006	25	0	0
Bromoxynil	ug/l	0.1	<0.002	<0.005	<0.010	25	0	0
Carbetamide	ug/l	0.1	<0.003	<0.003	<0.003	24	0	0
Chlortoluron	ug/l	0.1	<0.003	<0.003	<0.003	24	0	0
Clopyralid	ug/l	0.1	<0.009	<0.010	<0.012	25	0	0
2,4-D	ug/l	0.1	<0.003	<0.004	<0.006	25	0	0
Dicamba	ug/l	0.1	<0.007	<0.007	<0.010	25	0	0
Dichlorprop	ug/l	0.1	<0.002	<0.004	<0.012	25	0	0
Diuron	ug/l	0.1	<0.003	0.004	0.008	24	0	0
Fluroxypyr	ug/l	0.1	<0.003	<0.006	<0.006	25	0	0
Isoproturon	ug/l	0.1	<0.004	<0.004	<0.004	24	0	0
Ioxynil	ug/l	0.1	<0.002	<0.005	<0.010	25	0	0
Linuron	ug/l	0.1	<0.004	<0.004	<0.004	24	0	0
Mecoprop	ug/l	0.1	<0.003	<0.007	<0.008	25	0	0
MCPA	ug/l	0.1	<0.002	<0.006	<0.008	25	0	0
MCPB	ug/l	0.1	<0.004	<0.005	<0.008	25	0	0
Pentachlorophenol	ug/l	0.1	<0.002	<0.004	<0.006	25	0	0
Propazine	ug/l	0.1	<0.002	<0.002	<0.002	24	0	0
Prometryn	ug/l	0.1	<0.002	<0.002	<0.002	24	0	0
Propyzamide	ug/l	0.1	<0.004	<0.004	<0.004	24	0	0
Simazine	ug/l	0.1	<0.005	0.009	0.016	24	0	0
2,4,5-T	ug/l	0.1	<0.003	<0.005	<0.010	25	0	0
Terbutryn	ug/l	0.1	<0.003	<0.003	<0.003	24	0	0
2,4-DB	ug/l	0.1	<0.004	<0.005	<0.010	25	0	0
Fenoprop	ug/l	0.1	<0.003	<0.004	<0.006	25	0	0
Monuron	ug/l	0.1	<0.003	0.005	0.009	24	0	0
Picloram	ug/l	0.1	<0.005	0.008	0.011	25	0	0
Triclopyr	ug/l	0.1	<0.003	<0.005	<0.010	25	0	0
Tebuthiuron	ug/l	0.1	<0.002	<0.002	<0.002	24	0	0
Ametryne	ug/l	0.1	<0.002	<0.002	<0.002	24	0	0
Carbendazim	ug/l	0.1	<0.002	<0.002	<0.002	24	0	0
Metaldehyde	ug/l	0.1	<0.005	0.006	0.01	24	0	0
Total Pesticides	ug/l	0.5	0	0.018	0.06	31	0	0

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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