

THAMES WATER UTILITIES
WATER QUALITY REPORT - 2014 DATA

Water Supply Zone:		SLE34	KESTON & FORESTDALE			Zone No.:		92
			Population:					47266
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)					
Parameter	Units	PCV	Min.	Mean	Max.	Total	Contra- vening	
Coliform bacteria	no./100ml	0	0	0	0	120	0	0
<i>E. coli</i>	no./100ml	0	0	0	0	120	0	0
<i>Enterococci</i>	no./100ml	0	0	0	0	8	0	0
<i>Clostridium perfringens</i>	no./100ml	0	0	0	0	461	0	0
Colony count 22°C	cfu/ml	-	0	0.528	9	36	0	0
Colony count 37°C	cfu/ml	-	0	0.639	16	36	0	0
Residual Disinfectant	mg/l	-	<0.050	0.276	0.52	120	0	0
Colour (Pt/Co scale)	mg/lPt/Co	20	<0.200	0.831	1.5	36	0	0
Hydrogen Ion	pH	6.50-9.50	7.1	7.236	7.5	36	0	0
Turbidity	FTU	4	<0.040	0.072	0.25	36	0	0
Conductivity at 20°C	uS/cm	2500	585	621.694	705	36	0	0
Ammonium as NH4	mg/l	0.5	<0.020	0.043	0.09	36	0	0
Chloride as Cl	mg/l	250	34.17	36.75	40.73	8	0	0
Sodium as Na	mg/l	200	18	21.538	25.5	8	0	0
Sulphate as SO4	mg/l	250	38.4	44	50.5	8	0	0
Nitrate as NO3	mg/l	50	22.3	27.528	37.8	36	0	0
Nitrite as NO2	mg/l	0.5	<0.010	<0.010	<0.010	36	0	0
Nitrate/Nitrite calculation	mg/l	1	0.45	0.551	0.76	36	0	0
Total Organic Carbon as C	mg/l	-	0.3	1.512	3.7	68	0	0
Total Hardness as CaCO3	mg/l	N/A	295	307	319	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	1.1	3.464	28.3	36	0	0
Manganese as Mn	ug/l	50	<0.200	0.783	1.3	36	0	0
Aluminium as Al	ug/l	200	<1.400	3.614	6.4	36	0	0
Antimony as Sb	ug/l	5	<0.500	<0.763	<0.800	8	0	0
Arsenic as As	ug/l	10	<0.300	0.513	0.8	8	0	0
Cadmium as Cd	ug/l	5	<0.100	<0.113	<0.200	8	0	0
Chromium as Cr	ug/l	50	<0.900	1.05	1.8	8	0	0
Copper as Cu	mg/l	2	0.004	0.012	0.046	8	0	0
Lead as Pb	ug/l	10	<0.200	1.263	2.6	8	0	0
Mercury as Hg	ug/l	1	<0.040	<0.087	<0.120	68	0	0
Nickel as Ni	ug/l	20	<1.300	<1.338	<1.600	8	0	0
Fluoride as F	mg/l	1.5	0.084	0.12	0.153	8	0	0
Selenium as Se	ug/l	10	<0.800	1.238	1.6	8	0	0
Boron as B	mg/l	1	0.036	0.045	0.054	8	0	0
Bromate as BrO3	ug/l	10	<0.700	0.771	1.8	68	0	0
Cyanide as CN	ug/l	50	<0.700	1.029	5.5	68	0	0
PAHs (Sum of 4 substances)	ug/l	0.1	0	0.001	0.002	8	0	0
Benzo (a) pyrene	ug/l	0.01	<0.001	<0.001	<0.001	8	0	0
Trihalomethanes	ug/l	100	7.2	10.388	13.7	8	0	0
Tetra- & Trichloroethene calc	ug/l	10	0.4	0.713	1	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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Date extracted: 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	0.012	0.056	68	0	0
Bentazone	ug/l	0.1	<0.005	<0.005	<0.005	68	0	0
Bromoxynil	ug/l	0.1	<0.002	<0.005	<0.005	68	0	0
Carbetamide	ug/l	0.1	<0.003	0.003	0.006	68	0	0
Chlortoluron	ug/l	0.1	<0.003	0.004	0.01	68	0	0
Clopyralid	ug/l	0.1	<0.009	<0.010	<0.010	68	0	0
2,4-D	ug/l	0.1	<0.003	<0.004	<0.004	68	0	0
Dicamba	ug/l	0.1	<0.007	<0.007	<0.007	68	0	0
Dichlorprop	ug/l	0.1	<0.002	<0.004	<0.004	68	0	0
Diuron	ug/l	0.1	<0.003	0.008	0.038	68	0	0
Fluroxypyr	ug/l	0.1	<0.003	<0.006	<0.006	68	0	0
Isoproturon	ug/l	0.1	<0.004	<0.004	<0.004	68	0	0
Ioxynil	ug/l	0.1	<0.002	<0.005	<0.005	68	0	0
Linuron	ug/l	0.1	<0.004	<0.004	<0.004	68	0	0
Mecoprop	ug/l	0.1	<0.003	<0.007	<0.008	68	0	0
MCPA	ug/l	0.1	<0.002	<0.006	<0.006	68	0	0
MCPB	ug/l	0.1	<0.004	<0.005	<0.008	68	0	0
Pentachlorophenol	ug/l	0.1	<0.002	<0.004	<0.004	68	0	0
Propazine	ug/l	0.1	<0.002	<0.002	<0.002	68	0	0
Prometryn	ug/l	0.1	<0.002	<0.002	<0.002	68	0	0
Propyzamide	ug/l	0.1	<0.004	0.007	0.033	68	0	0
Simazine	ug/l	0.1	<0.005	0.009	0.024	68	0	0
2,4,5-T	ug/l	0.1	<0.003	<0.005	<0.005	68	0	0
Terbutryn	ug/l	0.1	<0.003	<0.003	<0.003	68	0	0
2,4-DB	ug/l	0.1	<0.004	<0.005	<0.005	68	0	0
Fenoprop	ug/l	0.1	<0.003	<0.004	<0.004	68	0	0
Monuron	ug/l	0.1	<0.003	0.003	0.004	68	0	0
Picloram	ug/l	0.1	<0.005	<0.008	<0.008	68	0	0
Triclopyr	ug/l	0.1	<0.003	<0.005	<0.005	68	0	0
Tebuthiuron	ug/l	0.1	<0.002	<0.002	<0.002	68	0	0
Ametryne	ug/l	0.1	<0.002	<0.002	<0.002	68	0	0
Carbendazim	ug/l	0.1	<0.002	<0.002	<0.002	68	0	0
Metaldehyde	ug/l	0.1	<0.005	0.022	0.07	68	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	0.045	0.121	72	0	0

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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