

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

<b>Water Supply Zone:</b> SLE 1 EAST CROYDON			<b>Zone No.:</b> 59					
			<b>Population:</b> 36842					
<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	0.021	2	96	1	1
<i>E. coli</i>	no./100ml	0	0	0	0	96	0	0
<i>Enterococci</i>	no./100ml	0	0	0	0	8	0	0
<i>Clostridium perfringens</i>	no./100ml	0	0	0	0	1059	0	0
Colony count 22°C	cfu/ml	-	0	0.333	7	36	0	0
Colony count 37°C	cfu/ml	-	0	0.639	10	36	0	0
Residual Disinfectant	mg/l	-	0.05	0.201	0.54	96	0	0
Colour (Pt/Co scale)	mg/lPt/Co	20	<0.200	0.881	2.6	36	0	0
Hydrogen Ion	pH	6.50-9.50	7.2	7.314	8.2	36	0	0
Turbidity	FTU	4	<0.060	0.073	0.18	36	0	0
Conductivity at 20°C	uS/cm	2500	551	583.833	703	36	0	0
Ammonium as NH4	mg/l	0.5	0.03	0.031	0.06	36	0	0
Chloride as Cl	mg/l	250	22.57	26.41	31.61	8	0	0
Sodium as Na	mg/l	200	9.8	13.4	17.3	8	0	0
Sulphate as SO4	mg/l	250	16.6	24.188	34.2	8	0	0
Nitrate as NO3	mg/l	50	19	24.072	38.1	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	0.38	0.482	0.76	36	0	0
Total Organic Carbon as C	mg/l	-	0.1	1.791	3.8	112	0	0
Total Hardness as CaCO3	mg/l	N/A	307	308	309	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	<1.000	1.989	3.9	36	0	0
Manganese as Mn	ug/l	50	<0.200	<0.750	<0.800	36	0	0
Aluminium as Al	ug/l	200	<1.400	2.989	5.5	36	0	0
Antimony as Sb	ug/l	5	<0.700	<0.788	<0.800	8	0	0
Arsenic as As	ug/l	10	<0.300	<0.300	<0.300	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	1.3	8	0	0
Copper as Cu	mg/l	2	0.007	0.05	0.261	8	0	0
Lead as Pb	ug/l	10	<0.200	10	67.5	8	1	12.5
Mercury as Hg	ug/l	1	<0.040	<0.089	<0.120	112	0	0
Nickel as Ni	ug/l	20	<1.300	<1.338	<1.600	8	0	0
Fluoride as F	mg/l	1.5	<0.060	0.094	0.14	8	0	0
Selenium as Se	ug/l	10	<0.800	0.863	1	8	0	0
Boron as B	mg/l	1	0.016	0.028	0.042	8	0	0
Bromate as BrO3	ug/l	10	0.7	1.046	14.5	113	1	0.9
Cyanide as CN	ug/l	50	<0.700	0.741	1.9	112	0	0
PAHs (Sum of 4 substances)	ug/l	0.1	0	0	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	2.5	4.713	7	8	0	0
Tetra- & Trichloroethene calc	ug/l	10	0.4	0.763	1.2	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>Date extracted:</b> 10/04/2015			<b>Concentration or Value (all samples)</b>			<b>No. of Samples</b>		
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	113	0	0
Bentazone	ug/l	0.1	<0.005	0.005	0.007	113	0	0
Bromoxynil	ug/l	0.1	<0.002	<0.005	<0.005	113	0	0
Carbetamide	ug/l	0.1	<0.003	0.003	0.008	113	0	0
Chlortoluron	ug/l	0.1	<0.003	0.003	0.01	113	0	0
Clopyralid	ug/l	0.1	<0.009	<0.010	<0.010	113	0	0
2,4-D	ug/l	0.1	<0.003	<0.004	<0.004	113	0	0
Dicamba	ug/l	0.1	<0.007	<0.007	<0.007	113	0	0
Dichlorprop	ug/l	0.1	<0.002	<0.004	<0.004	113	0	0
Diuron	ug/l	0.1	<0.003	0.005	0.038	113	0	0
Fluroxypyr	ug/l	0.1	<0.003	<0.006	<0.006	113	0	0
Isoproturon	ug/l	0.1	<0.004	<0.004	<0.004	113	0	0
Ioxynil	ug/l	0.1	<0.002	<0.005	<0.005	113	0	0
Linuron	ug/l	0.1	<0.004	<0.004	<0.004	113	0	0
Mecoprop	ug/l	0.1	<0.003	<0.007	<0.008	113	0	0
MCPA	ug/l	0.1	<0.002	<0.006	<0.006	113	0	0
MCPB	ug/l	0.1	<0.004	<0.005	<0.008	113	0	0
Pentachlorophenol	ug/l	0.1	<0.002	<0.004	<0.004	113	0	0
Propazine	ug/l	0.1	<0.002	<0.002	<0.002	112	0	0
Prometryn	ug/l	0.1	<0.002	<0.002	<0.002	112	0	0
Propyzamide	ug/l	0.1	<0.004	0.007	0.033	113	0	0
Simazine	ug/l	0.1	<0.005	0.006	0.024	113	0	0
2,4,5-T	ug/l	0.1	<0.003	<0.005	<0.005	113	0	0
Terbutryn	ug/l	0.1	<0.003	<0.003	<0.003	112	0	0
2,4-DB	ug/l	0.1	<0.004	<0.005	<0.005	113	0	0
Fenoprop	ug/l	0.1	<0.003	<0.004	<0.004	113	0	0
Monuron	ug/l	0.1	<0.003	<0.003	<0.003	113	0	0
Picloram	ug/l	0.1	<0.005	0.008	0.01	113	0	0
Triclopyr	ug/l	0.1	<0.003	<0.005	<0.005	113	0	0
Tebuthiuron	ug/l	0.1	<0.002	<0.002	<0.002	112	0	0
Ametryne	ug/l	0.1	<0.002	<0.002	<0.002	112	0	0
Carbendazim	ug/l	0.1	<0.002	0.002	0.008	113	0	0
Metaldehyde	ug/l	0.1	<0.005	0.03	0.083	112	0	0
Metazachlor	ug/l	0.1	<0.002	0.003	0.008	82	0	0
Quinmerac	ug/l	0.1	<0.004	0.006	0.017	83	0	0
Total Pesticides	ug/l	0.5	0	0.045	0.134	125	0	0
Gross alpha activity	Bq/l	0.1	0.04	0.044	0.08	16	0	0
Gross beta activity	Bq/l	1	<0.030	0.046	0.08	16	0	0

NOTE: PCV = Prescribed Concentration or Value

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**WATER QUALITY REPORT - 2014 DATA**

<b>Water Supply Zone:</b>	SLE 1      EAST CROYDON	<b>Zone No.:</b>	59
		<b>Population:</b>	36842
<b>Time Period:</b> 01/01/2014 to 31/12/2014			
<b>Date extracted:</b> 10/04/2015			

**Commentary on Water Quality:**

Very good water quality, however one infringement to report for bromate, one infringement to report for lead and one infringement to report for coliforms. Our investigations showed the infringement for bromate was transitory at a supplying asset, the infringement for coliforms was due to customer plumbing and the infringement for lead 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