

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

<b>Water Supply Zone:</b> SLE25 BLACKHEATH			<b>Zone No.:</b> 83					
			<b>Population:</b> 42286					
<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	0	108	0	0
<i>E. coli</i>	no./100ml	0	0	0	0	108	0	0
<i>Enterococci</i>	no./100ml	0	0	0	0	8	0	0
<i>Clostridium perfringens</i>	no./100ml	0	0	0	0	15	0	0
Colony count 22°C	cfu/ml	-	0	0.568	9	37	0	0
Colony count 37°C	cfu/ml	-	0	1.027	9	37	0	0
Residual Disinfectant	mg/l	-	0.11	0.32	0.56	108	0	0
Colour (Pt/Co scale)	mg/lPt/Co	20	<0.400	1.061	3	36	0	0
Hydrogen Ion	pH	6.50-9.50	7.1	7.419	7.9	36	0	0
Turbidity	FTU	4	<0.040	0.074	0.16	36	0	0
Conductivity at 20°C	uS/cm	2500	534	677.972	832	36	0	0
Ammonium as NH <sub>4</sub>	mg/l	0.5	<0.030	0.054	0.14	36	0	0
Chloride as Cl	mg/l	250	40.89	56.256	73.35	8	0	0
Sodium as Na	mg/l	200	29.7	32.763	40	8	0	0
Sulphate as SO <sub>4</sub>	mg/l	250	46.6	72.713	102.1	8	0	0
Nitrate as NO <sub>3</sub>	mg/l	50	22.4	24.025	26	8	0	0
Nitrite as NO <sub>2</sub>	mg/l	0.5	<0.010	0.023	0.1	8	0	0
Nitrate/Nitrite calculation	mg/l	1	0.45	0.484	0.52	8	0	0
Total Organic Carbon as C	mg/l	-	0.7	0.857	1	7	0	0
Total Hardness as CaCO <sub>3</sub>	mg/l	N/A	239	311	382	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	<2.000	6.158	25	12	0	0
Manganese as Mn	ug/l	50	<0.800	0.913	1.7	8	0	0
Aluminium as Al	ug/l	200	<1.400	3.8	5.8	8	0	0
Antimony as Sb	ug/l	5	<0.800	<0.800	<0.800	8	0	0
Arsenic as As	ug/l	10	0.5	0.788	1.2	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	1.2	8	0	0
Copper as Cu	mg/l	2	<0.004	0.027	0.053	8	0	0
Lead as Pb	ug/l	10	<0.200	0.9	2.1	8	0	0
Mercury as Hg	ug/l	1	<0.090	<0.094	<0.120	7	0	0
Nickel as Ni	ug/l	20	<1.300	1.788	4.6	8	0	0
Fluoride as F	mg/l	1.5	0.121	0.147	0.164	8	0	0
Selenium as Se	ug/l	10	<0.800	2.813	5	8	0	0
Boron as B	mg/l	1	0.053	0.074	0.094	8	0	0
Bromate as BrO <sub>3</sub>	ug/l	10	<0.700	<0.700	<0.700	7	0	0
Cyanide as CN	ug/l	50	<0.700	1.157	1.5	7	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	9	0	0
Trihalomethanes	ug/l	100	3.5	11.238	18.8	8	0	0
Tetra- & Trichloroethene calc	ug/l	10	0	0.563	1.4	8	0	0
Tetrachloromethane	ug/l	3	<0.200	<0.200	<0.200	8	0	0
1,2 dichloroethane	ug/l	3	<0.200	<0.213	<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	0.006	0.007	0.008	6	0	0
Bentazone	ug/l	0.1	<0.005	<0.005	<0.005	7	0	0
Bromoxynil	ug/l	0.1	<0.004	<0.005	<0.005	7	0	0
Carbetamide	ug/l	0.1	<0.003	<0.003	<0.003	6	0	0
Chlortoluron	ug/l	0.1	<0.003	<0.003	<0.003	6	0	0
Clopyralid	ug/l	0.1	<0.010	<0.010	<0.010	7	0	0
2,4-D	ug/l	0.1	<0.004	<0.004	<0.004	7	0	0
Dicamba	ug/l	0.1	<0.007	<0.007	<0.007	7	0	0
Dichlorprop	ug/l	0.1	<0.004	<0.004	<0.004	7	0	0
Diuron	ug/l	0.1	<0.003	<0.003	<0.003	6	0	0
Fluroxypyr	ug/l	0.1	<0.004	<0.006	<0.006	7	0	0
Isoproturon	ug/l	0.1	<0.004	<0.004	<0.004	6	0	0
Ioxynil	ug/l	0.1	<0.004	<0.005	<0.005	7	0	0
Linuron	ug/l	0.1	<0.004	<0.004	<0.004	6	0	0
Mecoprop	ug/l	0.1	<0.008	<0.008	<0.008	7	0	0
MCPA	ug/l	0.1	<0.006	<0.006	<0.006	7	0	0
MCPB	ug/l	0.1	<0.004	<0.005	<0.008	7	0	0
Pentachlorophenol	ug/l	0.1	<0.004	<0.004	<0.004	7	0	0
Propazine	ug/l	0.1	<0.002	<0.002	<0.002	6	0	0
Prometryn	ug/l	0.1	<0.002	<0.002	<0.002	6	0	0
Propyzamide	ug/l	0.1	<0.004	<0.004	<0.004	6	0	0
Simazine	ug/l	0.1	<0.005	<0.005	<0.005	6	0	0
2,4,5-T	ug/l	0.1	<0.005	<0.005	<0.005	7	0	0
Terbutryn	ug/l	0.1	<0.003	<0.003	<0.003	6	0	0
2,4-DB	ug/l	0.1	<0.004	<0.005	<0.005	7	0	0
Fenoprop	ug/l	0.1	<0.004	<0.004	<0.004	7	0	0
Monuron	ug/l	0.1	<0.003	<0.003	<0.003	6	0	0
Picloram	ug/l	0.1	<0.008	<0.008	<0.008	7	0	0
Triclopyr	ug/l	0.1	<0.005	<0.005	<0.005	7	0	0
Tebuthiuron	ug/l	0.1	<0.002	<0.002	<0.002	6	0	0
Ametryne	ug/l	0.1	<0.002	<0.002	<0.002	6	0	0
Carbendazim	ug/l	0.1	<0.002	<0.002	<0.002	6	0	0
Metaldehyde	ug/l	0.1	<0.005	0.007	0.01	7	0	0
Total Pesticides	ug/l	0.5	0	0.007	0.014	9	0	0
Gross alpha activity	Bq/l	0.1	<0.040	0.055	0.07	6	0	0
Gross beta activity	Bq/l	1	0.14	0.165	0.19	6	0	0

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**WATER QUALITY REPORT - 2014 DATA**

<b>Water Supply Zone:</b>	SLE25	BLACKHEATH	<b>Zone No.:</b>	83
			<b>Population:</b>	42286
<b>Time Period:</b> 01/01/2014 to 31/12/2014				
<b>Date extracted:</b> 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