

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

<b>Water Supply Zone:</b> SLE42 DARTFORD NORTH			<b>Zone No.:</b> 324			<b>Population:</b> 19534		
<b>Time Period:</b> 01/01/2014 to 31/12/2014			<b>Concentration or Value</b>			<b>No. of Samples</b>		<b>% of samples contravening PCV</b>
<b>Date extracted:</b> 10/04/2015			<b>(all samples)</b>			<b>Total</b>	<b>Contra- vening</b>	
Parameter	Units	PCV	Min.	Mean	Max.	Total	Contra- vening	% of samples contravening PCV
Coliform bacteria	no./100ml	0	0	0	0	48	0	0
<i>E. coli</i>	no./100ml	0	0	0	0	48	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	0.792	18	24	0	0
Colony count 37°C	cfu/ml	-	0	7.125	167	24	0	0
Residual Disinfectant	mg/l	-	0.2	0.357	0.55	48	0	0
Colour (Pt/Co scale)	mg/lPt/Co	20	<0.200	<0.760	<0.800	25	0	0
Hydrogen Ion	pH	6.50-9.50	7.1	7.284	7.8	25	0	0
Turbidity	FTU	4	<0.040	0.076	0.18	24	0	0
Conductivity at 20°C	uS/cm	2500	595	629.84	652	25	0	0
Ammonium as NH <sub>4</sub>	mg/l	0.5	<0.030	<0.030	<0.030	24	0	0
Chloride as Cl	mg/l	250	35.67	40.376	52.02	8	0	0
Sodium as Na	mg/l	200	18.8	20.1	22.3	8	0	0
Sulphate as SO <sub>4</sub>	mg/l	250	27.6	30.963	32.5	8	0	0
Nitrate as NO <sub>3</sub>	mg/l	50	28.1	34.963	42	8	0	0
Nitrite as NO <sub>2</sub>	mg/l	0.5	<0.010	<0.010	<0.010	8	0	0
Nitrate/Nitrite calculation	mg/l	1	0.56	0.699	0.84	8	0	0
Total Organic Carbon as C	mg/l	-	0.5	0.629	0.9	24	0	0
Total Hardness as CaCO <sub>3</sub>	mg/l	N/A	296	297	298	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	3.492	8.3	12	0	0
Manganese as Mn	ug/l	50	<0.800	<0.800	<0.800	9	0	0
Aluminium as Al	ug/l	200	<1.400	<2.922	<6.300	9	0	0
Antimony as Sb	ug/l	5	<0.800	<0.800	<0.800	8	0	0
Arsenic as As	ug/l	10	<0.300	0.313	0.4	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	1.267	3.8	9	0	0
Copper as Cu	mg/l	2	0.005	0.06	0.312	8	0	0
Lead as Pb	ug/l	10	<0.200	1.038	3	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	1.488	2.8	8	0	0
Fluoride as F	mg/l	1.5	0.094	0.119	0.138	8	0	0
Selenium as Se	ug/l	10	<0.800	1.138	1.4	8	0	0
Boron as B	mg/l	1	0.037	0.039	0.042	9	0	0
Bromate as BrO <sub>3</sub>	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	8	0	0
Trihalomethanes	ug/l	100	2.1	3.888	9.1	8	0	0
Tetra- & Trichloroethene calc	ug/l	10	0	0.138	0.5	8	0	0
Tetrachloromethane	ug/l	3	<0.200	<0.200	<0.200	8	0	0
1,2 dichloroethane	ug/l	3	<0.200	<0.250	<0.300	8	0	0

NOTE: PCV = Prescribed Concentration or Value

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<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	<0.005	0.007	0.011	23	0	0
Bentazone	ug/l	0.1	<0.005	<0.005	<0.006	27	0	0
Bromoxynil	ug/l	0.1	<0.002	<0.005	<0.010	27	0	0
Carbetamide	ug/l	0.1	<0.003	<0.003	<0.003	23	0	0
Chlortoluron	ug/l	0.1	<0.003	<0.003	<0.003	23	0	0
Clopyralid	ug/l	0.1	<0.009	<0.010	<0.012	27	0	0
2,4-D	ug/l	0.1	<0.003	<0.004	<0.006	27	0	0
Dicamba	ug/l	0.1	<0.007	<0.007	<0.010	27	0	0
Dichlorprop	ug/l	0.1	<0.002	<0.004	<0.012	27	0	0
Diuron	ug/l	0.1	<0.003	<0.003	<0.003	23	0	0
Fluroxypyr	ug/l	0.1	<0.003	<0.006	<0.006	27	0	0
Isoproturon	ug/l	0.1	<0.004	<0.004	<0.004	23	0	0
Ioxynil	ug/l	0.1	<0.002	<0.005	<0.010	27	0	0
Linuron	ug/l	0.1	<0.004	<0.004	<0.004	23	0	0
Mecoprop	ug/l	0.1	<0.003	<0.008	<0.008	27	0	0
MCPA	ug/l	0.1	<0.002	<0.006	<0.008	27	0	0
MCPB	ug/l	0.1	<0.004	<0.005	<0.008	27	0	0
Pentachlorophenol	ug/l	0.1	<0.002	<0.004	<0.006	27	0	0
Propazine	ug/l	0.1	<0.002	<0.002	<0.002	23	0	0
Prometryn	ug/l	0.1	<0.002	<0.002	<0.002	23	0	0
Propyzamide	ug/l	0.1	<0.004	<0.004	<0.004	23	0	0
Simazine	ug/l	0.1	<0.005	0.007	0.011	23	0	0
2,4,5-T	ug/l	0.1	<0.003	<0.005	<0.010	27	0	0
Terbutryn	ug/l	0.1	<0.003	<0.003	<0.003	23	0	0
2,4-DB	ug/l	0.1	<0.004	<0.005	<0.010	27	0	0
Fenoprop	ug/l	0.1	<0.003	<0.004	<0.006	27	0	0
Monuron	ug/l	0.1	<0.003	0.004	0.007	23	0	0
Picloram	ug/l	0.1	<0.005	<0.008	<0.010	27	0	0
Triclopyr	ug/l	0.1	<0.003	<0.005	<0.010	27	0	0
Tebuthiuron	ug/l	0.1	<0.002	<0.002	<0.002	23	0	0
Ametryne	ug/l	0.1	<0.002	<0.002	<0.002	23	0	0
Carbendazim	ug/l	0.1	<0.002	<0.002	<0.002	23	0	0
Metaldehyde	ug/l	0.1	<0.005	0.006	0.01	25	0	0
Total Pesticides	ug/l	0.5	0	0.01	0.035	33	0	0

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		<b>Population:</b>	19534
<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