

THAMES WATER UTILITIES
WATER QUALITY REPORT - 2014 DATA

Water Supply Zone: SLE21 THAMESMEAD			Zone No.: 79			Population: 64368		
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)			Total	Contra-vening	
Parameter	Units	PCV	Min.	Mean	Max.			
Coliform bacteria	no./100ml	0	0	0	0	168	0	0
<i>E. coli</i>	no./100ml	0	0	0	0	168	0	0
<i>Enterococci</i>	no./100ml	0	0	0	0	8	0	0
<i>Clostridium perfringens</i>	no./100ml	0	0	0	0	821	0	0
Colony count 22°C	cfu/ml	-	0	6.63	>300.000	54	0	0
Colony count 37°C	cfu/ml	-	0	6.019	>300.000	54	0	0
Residual Disinfectant	mg/l	-	0.08	0.271	0.62	169	0	0
Colour (Pt/Co scale)	mg/lPt/Co	20	<0.200	1.033	3.2	52	0	0
Hydrogen Ion	pH	6.50-9.50	7	7.352	8	52	0	0
Turbidity	FTU	4	<0.060	0.079	0.18	52	0	0
Conductivity at 20°C	uS/cm	2500	542	655.385	768	52	0	0
Ammonium as NH4	mg/l	0.5	<0.020	0.044	0.12	52	0	0
Chloride as Cl	mg/l	250	33.78	42.9	45.92	8	0	0
Sodium as Na	mg/l	200	24	26.788	30	8	0	0
Sulphate as SO4	mg/l	250	40.9	57.425	71.4	8	0	0
Nitrate as NO3	mg/l	50	21.9	29.988	37.8	52	0	0
Nitrite as NO2	mg/l	0.5	<0.010	0.033	0.16	52	0	0
Nitrate/Nitrite calculation	mg/l	1	0.48	0.609	0.76	52	0	0
Total Organic Carbon as C	mg/l	-	0.4	1.689	3.7	111	0	0
Total Hardness as CaCO3	mg/l	N/A	243	309	374	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	5.237	37.2	52	0	0
Manganese as Mn	ug/l	50	<0.200	0.86	2.4	52	0	0
Aluminium as Al	ug/l	200	<1.400	4.477	11.3	52	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	0.463	1.1	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	0.001	0.073	0.301	8	0	0
Lead as Pb	ug/l	10	<0.200	0.538	2	8	0	0
Mercury as Hg	ug/l	1	<0.040	<0.088	<0.120	111	0	0
Nickel as Ni	ug/l	20	<1.300	1.4	1.7	8	0	0
Fluoride as F	mg/l	1.5	0.103	0.142	0.184	8	0	0
Selenium as Se	ug/l	10	<0.800	2.325	3	8	0	0
Boron as B	mg/l	1	0.042	0.062	0.078	8	0	0
Bromate as BrO3	ug/l	10	<0.700	0.75	1.8	111	0	0
Cyanide as CN	ug/l	50	<0.700	0.739	1.6	111	0	0
PAHs (Sum of 4 substances)	ug/l	0.1	0	0	0.001	9	0	0
Benzo (a) pyrene	ug/l	0.01	0.001	0.001	0.001	10	0	0
Trihalomethanes	ug/l	100	0.8	9.022	19.5	9	0	0
Tetra- & Trichloroethene calc	ug/l	10	0	0.1	0.8	8	0	0
Tetrachloromethane	ug/l	3	<0.200	<0.200	<0.200	9	0	0
1,2 dichloroethane	ug/l	3	<0.200	<0.256	<0.300	9	0	0

NOTE: PCV = Prescribed Concentration or Value

THAMES WATER UTILITIES
WATER QUALITY REPORT - 2014 DATA

Water Supply Zone: SLE21 THAMESMEAD			Zone No.: 79			Population: 64368		
Time Period: 01/01/2014 to 31/12/2014			Concentration or Value (all samples)			No. of Samples		
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	9	0	0
Atrazine	ug/l	0.1	<0.005	0.006	0.012	112	0	0
Bentazone	ug/l	0.1	<0.005	0.005	0.007	112	0	0
Bromoxynil	ug/l	0.1	<0.002	<0.005	<0.010	112	0	0
Carbetamide	ug/l	0.1	<0.003	0.003	0.008	112	0	0
Chlortoluron	ug/l	0.1	<0.003	<0.003	<0.003	112	0	0
Clopyralid	ug/l	0.1	<0.009	<0.010	<0.012	112	0	0
2,4-D	ug/l	0.1	<0.003	<0.004	<0.006	112	0	0
Dicamba	ug/l	0.1	<0.007	<0.007	<0.010	112	0	0
Dichlorprop	ug/l	0.1	<0.002	<0.004	<0.012	112	0	0
Diuron	ug/l	0.1	<0.003	0.003	0.008	112	0	0
Fluroxypyr	ug/l	0.1	<0.003	<0.006	<0.006	112	0	0
Isoproturon	ug/l	0.1	<0.004	<0.004	<0.004	112	0	0
Ioxynil	ug/l	0.1	<0.002	<0.005	<0.010	112	0	0
Linuron	ug/l	0.1	<0.004	<0.004	<0.004	112	0	0
Mecoprop	ug/l	0.1	<0.003	<0.007	<0.008	112	0	0
MCPA	ug/l	0.1	<0.002	<0.006	<0.008	112	0	0
MCPB	ug/l	0.1	<0.004	<0.005	<0.008	112	0	0
Pentachlorophenol	ug/l	0.1	<0.002	<0.004	<0.006	112	0	0
Propazine	ug/l	0.1	<0.002	<0.002	<0.002	111	0	0
Prometryn	ug/l	0.1	<0.002	<0.002	<0.002	111	0	0
Propyzamide	ug/l	0.1	<0.004	0.007	0.033	112	0	0
Simazine	ug/l	0.1	<0.005	0.006	0.016	112	0	0
2,4,5-T	ug/l	0.1	<0.003	<0.005	<0.010	112	0	0
Terbutryn	ug/l	0.1	<0.003	<0.003	<0.003	111	0	0
2,4-DB	ug/l	0.1	<0.004	<0.005	<0.010	112	0	0
Fenoprop	ug/l	0.1	<0.003	<0.004	<0.006	112	0	0
Monuron	ug/l	0.1	<0.003	0.003	0.009	112	0	0
Picloram	ug/l	0.1	<0.005	0.008	0.011	112	0	0
Triclopyr	ug/l	0.1	<0.003	<0.005	<0.010	112	0	0
Tebuthiuron	ug/l	0.1	<0.002	<0.002	<0.002	111	0	0
Ametryne	ug/l	0.1	<0.002	<0.002	<0.002	111	0	0
Carbendazim	ug/l	0.1	<0.002	0.002	0.008	112	0	0
Metaldehyde	ug/l	0.1	<0.005	0.027	0.083	111	0	0
Metazachlor	ug/l	0.1	<0.002	0.003	0.008	72	0	0
Quinmerac	ug/l	0.1	<0.004	0.007	0.017	73	0	0
Total Pesticides	ug/l	0.5	0	0.036	0.134	124	0	0
Gross alpha activity	Bq/l	0.1	<0.040	0.049	0.09	16	0	0
Gross beta activity	Bq/l	1	<0.030	0.093	0.12	15	0	0

NOTE: PCV = Prescribed Concentration or Value

THAMES WATER UTILITIES
WATER QUALITY REPORT - 2014 DATA

Water Supply Zone:	SLE21	THAMESMEAD	Zone No.:	79
			Population:	64368
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