

THAMES WATER UTILITIES
WATER QUALITY REPORT - 2014 DATA

Water Supply Zone:		SLW 6	CRYSTAL PALACE & NORWOOD PARK Zone No.:				98	
			Population:					35892
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	96	0	0
<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	1393	0	0
Colony count 22°C	cfu/ml	-	0	1.514	27	37	0	0
Colony count 37°C	cfu/ml	-	0	2.649	42	37	0	0
Residual Disinfectant	mg/l	-	0.1	0.368	0.7	97	0	0
Colour (Pt/Co scale)	mg/lPt/Co	20	<0.800	1.447	3.9	36	0	0
Hydrogen Ion	pH	6.50-9.50	7.5	7.731	8	36	0	0
Turbidity	FTU	4	0.06	0.077	0.12	36	0	0
Conductivity at 20°C	uS/cm	2500	527	561.444	599	36	0	0
Ammonium as NH4	mg/l	0.5	<0.030	0.094	0.16	36	0	0
Chloride as Cl	mg/l	250	34.52	39.654	44.94	8	0	0
Sodium as Na	mg/l	200	22.2	26.1	30.9	8	0	0
Sulphate as SO4	mg/l	250	42.7	44.5	48.5	8	0	0
Nitrate as NO3	mg/l	50	21.8	23.836	27.5	36	0	0
Nitrite as NO2	mg/l	0.5	0.02	0.058	0.14	36	0	0
Nitrate/Nitrite calculation	mg/l	1	0.46	0.495	0.57	36	0	0
Total Organic Carbon as C	mg/l	-	1.4	2.206	3.8	106	0	0
Total Hardness as CaCO3	mg/l	N/A	242	250	258	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	3.475	9.6	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	5.694	11	36	0	0
Antimony as Sb	ug/l	5	<0.700	<0.788	<0.800	8	0	0
Arsenic as As	ug/l	10	0.5	1.013	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	<0.950	<1.200	8	0	0
Copper as Cu	mg/l	2	<0.004	0.048	0.197	8	0	0
Lead as Pb	ug/l	10	<0.200	1.1	3.2	8	0	0
Mercury as Hg	ug/l	1	<0.040	<0.088	<0.120	106	0	0
Nickel as Ni	ug/l	20	<1.300	1.45	1.8	8	0	0
Fluoride as F	mg/l	1.5	0.119	0.145	0.161	8	0	0
Selenium as Se	ug/l	10	<0.800	<0.800	<0.800	8	0	0
Boron as B	mg/l	1	0.046	0.051	0.057	8	0	0
Bromate as BrO3	ug/l	10	<0.700	1.079	14.5	107	1	0.9
Cyanide as CN	ug/l	50	<0.700	0.715	1.1	106	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	0	17.1	24.8	8	0	0
Tetra- & Trichloroethene calc	ug/l	10	0	0	0	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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Date extracted: 10/04/2015			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	<0.005	<0.005	107	0	0	
Bentazone	ug/l	0.1	<0.005	0.005	0.007	107	0	0	
Bromoxynil	ug/l	0.1	<0.002	<0.005	<0.005	107	0	0	
Carbetamide	ug/l	0.1	0.003	0.003	0.008	107	0	0	
Chlortoluron	ug/l	0.1	<0.003	<0.003	<0.003	107	0	0	
Clopyralid	ug/l	0.1	<0.009	<0.010	<0.010	107	0	0	
2,4-D	ug/l	0.1	<0.003	<0.004	<0.004	107	0	0	
Dicamba	ug/l	0.1	<0.007	<0.007	<0.007	107	0	0	
Dichlorprop	ug/l	0.1	<0.002	<0.004	<0.006	107	0	0	
Diuron	ug/l	0.1	<0.003	<0.003	<0.003	107	0	0	
Fluroxypyr	ug/l	0.1	<0.003	<0.006	<0.006	107	0	0	
Isoproturon	ug/l	0.1	<0.004	<0.004	<0.004	107	0	0	
Ioxynil	ug/l	0.1	<0.002	<0.005	<0.005	107	0	0	
Linuron	ug/l	0.1	<0.004	<0.004	<0.004	107	0	0	
Mecoprop	ug/l	0.1	<0.003	<0.007	<0.008	107	0	0	
MCPA	ug/l	0.1	<0.002	<0.006	<0.006	107	0	0	
MCPB	ug/l	0.1	<0.004	<0.005	<0.008	107	0	0	
Pentachlorophenol	ug/l	0.1	<0.002	<0.004	<0.004	107	0	0	
Propazine	ug/l	0.1	<0.002	<0.002	<0.002	106	0	0	
Prometryn	ug/l	0.1	<0.002	<0.002	<0.002	106	0	0	
Propyzamide	ug/l	0.1	<0.004	0.007	0.033	107	0	0	
Simazine	ug/l	0.1	<0.005	<0.005	<0.005	107	0	0	
2,4,5-T	ug/l	0.1	<0.003	<0.005	<0.005	107	0	0	
Terbutryn	ug/l	0.1	<0.003	<0.003	<0.003	106	0	0	
2,4-DB	ug/l	0.1	<0.004	<0.005	<0.005	107	0	0	
Fenoprop	ug/l	0.1	<0.003	<0.004	<0.004	107	0	0	
Monuron	ug/l	0.1	<0.003	<0.003	<0.003	107	0	0	
Picloram	ug/l	0.1	<0.005	0.008	0.01	107	0	0	
Triclopyr	ug/l	0.1	<0.003	<0.005	<0.005	107	0	0	
Tebuthiuron	ug/l	0.1	<0.002	<0.002	<0.002	106	0	0	
Ametryne	ug/l	0.1	<0.002	<0.002	<0.002	106	0	0	
Carbendazim	ug/l	0.1	<0.002	0.002	0.008	107	0	0	
Metaldehyde	ug/l	0.1	0.018	0.039	0.083	106	0	0	
Metazachlor	ug/l	0.1	<0.002	0.003	0.008	106	0	0	
Quinmerac	ug/l	0.1	<0.004	0.006	0.017	107	0	0	
Total Pesticides	ug/l	0.5	0	0.048	0.134	114	0	0	

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Date extracted: 10/04/2015				

Commentary on Water Quality:

Very good water quality, however one infringement to report for bromate. Our investigations showed the infringement for bromate was transitory at a supplying asset and is not 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