

THAMES WATER UTILITIES
WATER QUALITY REPORT - 2014 DATA

Water Supply Zone: NLW 7 WILLESDEN			Zone No.: 32			Population: 67490		
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.	Total	Contra- vening	% of samples contravening PCV
Coliform bacteria	no./100ml	0	0	0.267	45	180	3	1.7
<i>E. coli</i>	no./100ml	0	0	0.239	41	180	2	1.1
<i>Enterococci</i>	no./100ml	0	0	0	0	8	0	0
<i>Clostridium perfringens</i>	no./100ml	0	0	0	0	1147	0	0
Colony count 22°C	cfu/ml	-	0	4.327	183	52	0	0
Colony count 37°C	cfu/ml	-	0	2.019	21	52	0	0
Residual Disinfectant	mg/l	-	0.22	0.56	0.86	180	0	0
Colour (Pt/Co scale)	mg/lPt/Co	20	<0.800	1.342	3.3	52	0	0
Hydrogen Ion	pH	6.50-9.50	7.5	7.742	8.2	52	0	0
Turbidity	FTU	4	<0.040	0.072	0.12	52	0	0
Conductivity at 20°C	uS/cm	2500	530	570.865	606	52	0	0
Ammonium as NH4	mg/l	0.5	0.09	0.134	0.2	52	0	0
Chloride as Cl	mg/l	250	35.4	41.229	48.46	8	0	0
Sodium as Na	mg/l	200	23.2	27.413	32.9	8	0	0
Sulphate as SO4	mg/l	250	42.1	44.838	48.1	8	0	0
Nitrate as NO3	mg/l	50	20.1	23.467	26.9	52	0	0
Nitrite as NO2	mg/l	0.5	0.01	0.082	0.2	52	0	0
Nitrate/Nitrite calculation	mg/l	1	0.41	0.496	0.56	52	0	0
Total Organic Carbon as C	mg/l	-	1.4	2.177	3.7	96	0	0
Total Hardness as CaCO3	mg/l	N/A	239	246	253	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	<2.000	2.758	14.3	52	0	0
Manganese as Mn	ug/l	50	<0.200	0.769	1.1	52	0	0
Aluminium as Al	ug/l	200	<1.400	5.977	9.9	52	0	0
Antimony as Sb	ug/l	5	<0.700	<0.788	<0.800	8	0	0
Arsenic as As	ug/l	10	1	1.125	1.3	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	0.009	0.042	0.1	8	0	0
Lead as Pb	ug/l	10	<0.200	2.975	14.6	8	1	12.5
Mercury as Hg	ug/l	1	<0.040	<0.088	<0.120	96	0	0
Nickel as Ni	ug/l	20	<1.300	1.425	1.9	8	0	0
Fluoride as F	mg/l	1.5	0.117	0.149	0.195	8	0	0
Selenium as Se	ug/l	10	<0.800	<0.800	<0.800	8	0	0
Boron as B	mg/l	1	0.047	0.053	0.056	8	0	0
Bromate as BrO3	ug/l	10	<0.700	0.772	1.8	96	0	0
Cyanide as CN	ug/l	50	<0.700	0.713	1.1	96	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	8.8	16.375	27.2	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	<0.263	<0.300	8	0	0

NOTE: PCV = Prescribed Concentration or Value

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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	8	0	0
Atrazine	ug/l	0.1	<0.005	<0.005	<0.005	97	0	0
Bentazone	ug/l	0.1	<0.005	0.005	0.007	96	0	0
Bromoxynil	ug/l	0.1	<0.002	<0.005	<0.005	96	0	0
Carbetamide	ug/l	0.1	0.003	0.003	0.008	97	0	0
Chlortoluron	ug/l	0.1	<0.003	<0.003	<0.003	97	0	0
Clopyralid	ug/l	0.1	<0.009	<0.010	<0.010	96	0	0
2,4-D	ug/l	0.1	<0.003	<0.004	<0.004	96	0	0
Dicamba	ug/l	0.1	<0.007	<0.007	<0.007	96	0	0
Dichlorprop	ug/l	0.1	<0.002	<0.004	<0.006	96	0	0
Diuron	ug/l	0.1	<0.003	<0.003	<0.003	97	0	0
Fluroxypyr	ug/l	0.1	<0.003	<0.006	<0.006	96	0	0
Isoproturon	ug/l	0.1	<0.004	<0.004	<0.004	97	0	0
Ioxynil	ug/l	0.1	<0.002	<0.005	<0.005	96	0	0
Linuron	ug/l	0.1	<0.004	<0.004	<0.004	97	0	0
Mecoprop	ug/l	0.1	<0.003	<0.007	<0.008	96	0	0
MCPA	ug/l	0.1	<0.002	<0.006	<0.006	96	0	0
MCPB	ug/l	0.1	<0.004	<0.005	<0.008	96	0	0
Pentachlorophenol	ug/l	0.1	<0.002	<0.004	<0.004	96	0	0
Propazine	ug/l	0.1	<0.002	<0.002	<0.002	96	0	0
Prometryn	ug/l	0.1	<0.002	<0.002	<0.002	96	0	0
Propyzamide	ug/l	0.1	<0.004	0.008	0.033	97	0	0
Simazine	ug/l	0.1	<0.005	<0.005	<0.005	97	0	0
2,4,5-T	ug/l	0.1	<0.003	<0.005	<0.005	96	0	0
Terbutryn	ug/l	0.1	<0.003	<0.003	<0.003	96	0	0
2,4-DB	ug/l	0.1	<0.004	<0.005	<0.005	96	0	0
Fenoprop	ug/l	0.1	<0.003	<0.004	<0.004	96	0	0
Monuron	ug/l	0.1	<0.003	<0.003	<0.003	97	0	0
Picloram	ug/l	0.1	<0.005	0.008	0.01	96	0	0
Triclopyr	ug/l	0.1	<0.003	<0.005	<0.005	96	0	0
Tebuthiuron	ug/l	0.1	<0.002	<0.002	<0.002	96	0	0
Ametryne	ug/l	0.1	<0.002	<0.002	<0.002	96	0	0
Carbendazim	ug/l	0.1	<0.002	0.002	0.008	97	0	0
Metaldehyde	ug/l	0.1	0.018	0.039	0.083	96	0	0
Metazachlor	ug/l	0.1	<0.002	0.003	0.008	96	0	0
Quinmerac	ug/l	0.1	<0.004	0.006	0.017	97	0	0
Total Pesticides	ug/l	0.5	0	0.05	0.134	101	0	0

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		Population:	67490
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Date extracted: 10/04/2015			

Commentary on Water Quality:

Very good water quality, however three infringements to report for coliforms, two infringements to report for *E. coli* and one infringement to report for lead. Our investigations showed the infringements for coliforms, *E. coli* and lead were 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