

THAMES WATER UTILITIES
WATER QUALITY REPORT - 2014 DATA

Water Supply Zone:		NLW47	MUSWELL HILL & HAMPSTEAD HEATH			Zone No.:		353
						Population:		71300
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	180	0	0
<i>E. coli</i>	no./100ml	0	0	0	0	180	0	0
<i>Enterococci</i>	no./100ml	0	0	0	0	8	0	0
<i>Clostridium perfringens</i>	no./100ml	0	0	0	0	782	0	0
Colony count 22°C	cfu/ml	-	0	1.904	32	52	0	0
Colony count 37°C	cfu/ml	-	0	0.942	11	52	0	0
Residual Disinfectant	mg/l	-	0.11	0.393	0.7	180	0	0
Colour (Pt/Co scale)	mg/lPt/Co	20	0.8	1.288	3.1	52	0	0
Hydrogen Ion	pH	6.50-9.50	7.5	7.76	8	52	0	0
Turbidity	FTU	4	<0.060	0.073	0.13	52	0	0
Conductivity at 20°C	uS/cm	2500	536	564.923	605	52	0	0
Ammonium as NH4	mg/l	0.5	0.03	0.088	0.21	52	0	0
Chloride as Cl	mg/l	250	35.27	40.456	46.46	8	0	0
Sodium as Na	mg/l	200	22.1	26.063	32.4	8	0	0
Sulphate as SO4	mg/l	250	41.4	44.6	49.9	8	0	0
Nitrate as NO3	mg/l	50	18.1	23.163	26.9	52	0	0
Nitrite as NO2	mg/l	0.5	0.02	0.121	0.26	52	0	0
Nitrate/Nitrite calculation	mg/l	1	0.4	0.503	0.57	52	0	0
Total Organic Carbon as C	mg/l	-	1.4	2.105	3	60	0	0
Total Hardness as CaCO3	mg/l	N/A	263	265	266	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	2.937	16.6	51	0	0
Manganese as Mn	ug/l	50	<0.200	<0.773	<0.800	51	0	0
Aluminium as Al	ug/l	200	<1.400	6.619	12.8	52	0	0
Antimony as Sb	ug/l	5	<0.700	<0.788	<0.800	8	0	0
Arsenic as As	ug/l	10	0.9	1.138	1.5	8	0	0
Cadmium as Cd	ug/l	5	<0.100	<0.100	<0.100	8	0	0
Chromium as Cr	ug/l	50	<0.800	<0.888	<0.900	8	0	0
Copper as Cu	mg/l	2	<0.004	0.129	0.493	8	0	0
Lead as Pb	ug/l	10	<0.200	3.588	11.3	8	1	12.5
Mercury as Hg	ug/l	1	<0.040	<0.087	<0.120	60	0	0
Nickel as Ni	ug/l	20	<1.300	1.8	4.6	8	0	0
Fluoride as F	mg/l	1.5	0.113	0.132	0.154	8	0	0
Selenium as Se	ug/l	10	<0.800	0.838	1.1	8	0	0
Boron as B	mg/l	1	0.049	0.055	0.059	8	0	0
Bromate as BrO3	ug/l	10	<0.700	0.735	1.5	60	0	0
Cyanide as CN	ug/l	50	<0.700	0.713	1.1	60	0	0
PAHs (Sum of 4 substances)	ug/l	0.1	0	0	0.002	9	0	0
Benzo (a) pyrene	ug/l	0.01	<0.001	<0.001	<0.001	9	0	0
Trihalomethanes	ug/l	100	16.8	19.41	22.9	10	0	0
Tetra- & Trichloroethene calc	ug/l	10	0	0	0	9	0	0
Tetrachloromethane	ug/l	3	<0.200	<0.200	<0.200	9	0	0
1,2 dichloroethane	ug/l	3	<0.200	<0.267	<0.300	9	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	61	0	0
Bentazone	ug/l	0.1	<0.005	0.005	0.007	60	0	0
Bromoxynil	ug/l	0.1	<0.002	<0.005	<0.005	60	0	0
Carbetamide	ug/l	0.1	<0.003	0.004	0.008	61	0	0
Chlortoluron	ug/l	0.1	<0.003	<0.003	<0.003	61	0	0
Clopyralid	ug/l	0.1	<0.009	<0.010	<0.010	60	0	0
2,4-D	ug/l	0.1	<0.003	<0.004	<0.004	60	0	0
Dicamba	ug/l	0.1	<0.007	<0.007	<0.007	60	0	0
Dichlorprop	ug/l	0.1	<0.002	<0.004	<0.006	60	0	0
Diuron	ug/l	0.1	<0.003	<0.003	<0.003	61	0	0
Fluroxypyr	ug/l	0.1	<0.003	<0.006	<0.006	60	0	0
Isoproturon	ug/l	0.1	<0.004	<0.004	<0.004	61	0	0
Ioxynil	ug/l	0.1	<0.002	<0.005	<0.005	60	0	0
Linuron	ug/l	0.1	<0.004	<0.004	<0.004	61	0	0
Mecoprop	ug/l	0.1	<0.003	<0.007	<0.008	60	0	0
MCPA	ug/l	0.1	<0.002	<0.006	<0.006	60	0	0
MCPB	ug/l	0.1	<0.004	<0.005	<0.008	60	0	0
Pentachlorophenol	ug/l	0.1	<0.002	<0.004	<0.004	60	0	0
Propazine	ug/l	0.1	<0.002	<0.002	<0.002	60	0	0
Prometryn	ug/l	0.1	<0.002	<0.002	<0.002	60	0	0
Propyzamide	ug/l	0.1	<0.004	0.007	0.025	61	0	0
Simazine	ug/l	0.1	<0.005	<0.005	<0.005	61	0	0
2,4,5-T	ug/l	0.1	<0.003	<0.005	<0.005	60	0	0
Terbutryn	ug/l	0.1	<0.003	<0.003	<0.003	60	0	0
2,4-DB	ug/l	0.1	<0.004	<0.005	<0.005	60	0	0
Fenoprop	ug/l	0.1	<0.003	<0.004	<0.004	60	0	0
Monuron	ug/l	0.1	<0.003	<0.003	<0.003	61	0	0
Picloram	ug/l	0.1	<0.005	0.008	0.01	60	0	0
Triclopyr	ug/l	0.1	<0.003	<0.005	<0.005	60	0	0
Tebuthiuron	ug/l	0.1	<0.002	<0.002	<0.002	60	0	0
Ametryne	ug/l	0.1	<0.002	<0.002	<0.002	60	0	0
Carbendazim	ug/l	0.1	<0.002	0.002	0.008	61	0	0
Metaldehyde	ug/l	0.1	0.018	0.04	0.083	60	0	0
Metazachlor	ug/l	0.1	<0.002	0.003	0.008	60	0	0
Quinmerac	ug/l	0.1	<0.004	0.007	0.017	61	0	0
Total Pesticides	ug/l	0.5	0	0.053	0.134	63	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 lead. Our investigations showed the infringement for lead was transitory and 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