

THAMES WATER UTILITIES
WATER QUALITY REPORT - 2014 DATA

Water Supply Zone: SWA17 AYLESBURY SOUTH			Zone No.: 159			Population: 51139		
Time Period: 01/01/2014 to 31/12/2014 Date extracted: 10/04/2015			Concentration or Value (all samples)			No. of Samples		% of samples contravening PCV
Parameter	Units	PCV	Min.	Mean	Max.	Total	Contra- vening	
Coliform bacteria	no./100ml	0	0	0	0	120	0	0
E. coli	no./100ml	0	0	0	0	120	0	0
Enterococci	no./100ml	0	0	0	0	8	0	0
Clostridium perfringens	no./100ml	0	0	0	0	32	0	0
Colony count 22°C	cfu/ml	-	0	6.083	218	36	0	0
Colony count 37°C	cfu/ml	-	0	4.865	180	37	0	0
Residual Disinfectant	mg/l	-	0.15	0.287	0.55	120	0	0
Colour (Pt/Co scale)	mg/lPt/Co	20	<0.400	0.847	1.5	36	0	0
Hydrogen Ion	pH	6.50-9.50	7.2	7.283	7.8	36	0	0
Turbidity	FTU	4	<0.060	0.07	0.11	36	0	0
Conductivity at 20°C	uS/cm	2500	539	548.333	561	36	0	0
Ammonium as NH4	mg/l	0.5	<0.030	<0.030	<0.030	36	0	0
Chloride as Cl	mg/l	250	20.04	21.131	22.99	8	0	0
Sodium as Na	mg/l	200	10.3	11.622	12.7	9	0	0
Sulphate as SO4	mg/l	250	15.8	18.2	20.1	8	0	0
Nitrate as NO3	mg/l	50	22	24.013	25.5	8	0	0
Nitrite as NO2	mg/l	0.5	<0.010	<0.010	<0.010	8	0	0
Nitrate/Nitrite calculation	mg/l	1	0.44	0.48	0.51	8	0	0
Total Organic Carbon as C	mg/l	-	0.4	0.534	0.9	32	0	0
Total Hardness as CaCO3	mg/l	N/A	285	289	293	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	<1.000	5.717	47.6	12	0	0
Manganese as Mn	ug/l	50	<0.200	<0.725	<0.800	8	0	0
Aluminium as Al	ug/l	200	<1.400	2.488	4.5	8	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	0.313	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	<0.938	<1.200	8	0	0
Copper as Cu	mg/l	2	0.005	0.029	0.078	8	0	0
Lead as Pb	ug/l	10	<0.200	0.35	1.4	8	0	0
Mercury as Hg	ug/l	1	<0.040	<0.087	<0.090	33	0	0
Nickel as Ni	ug/l	20	<1.300	<1.300	<1.300	8	0	0
Fluoride as F	mg/l	1.5	0.092	0.12	0.15	8	0	0
Selenium as Se	ug/l	10	0.8	0.813	0.9	8	0	0
Boron as B	mg/l	1	0.025	0.028	0.032	8	0	0
Bromate as BrO3	ug/l	10	<0.700	<0.700	<0.700	33	0	0
Cyanide as CN	ug/l	50	<0.700	0.713	1.1	32	0	0
PAHs (Sum of 4 substances)	ug/l	0.1	0	0	0.002	8	0	0
Benzo (a) pyrene	ug/l	0.01	<0.001	<0.001	<0.001	8	0	0
Trihalomethanes	ug/l	100	0	6.863	12.9	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

THAMES WATER UTILITIES
WATER QUALITY REPORT - 2014 DATA

Water Supply Zone: SWA17 AYLESBURY SOUTH			Zone No.: 159					
			Population: 51139					
Time Period: 01/01/2014 to 31/12/2014 Date extracted: 10/04/2015			Concentration or Value (all samples)			No. of Samples		
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	0.011	0.022	33	0	0
Bentazone	ug/l	0.1	<0.005	0.006	0.009	33	0	0
Bromoxynil	ug/l	0.1	<0.002	<0.005	<0.005	33	0	0
Carbetamide	ug/l	0.1	<0.003	<0.003	<0.003	33	0	0
Chlortoluron	ug/l	0.1	<0.003	0.004	0.008	33	0	0
Clopyralid	ug/l	0.1	<0.009	<0.010	<0.010	33	0	0
2,4-D	ug/l	0.1	<0.003	<0.004	<0.004	33	0	0
Dicamba	ug/l	0.1	<0.007	<0.007	<0.007	33	0	0
Dichlorprop	ug/l	0.1	<0.002	<0.004	<0.004	33	0	0
Diuron	ug/l	0.1	0.003	0.003	0.004	33	0	0
Fluroxypyr	ug/l	0.1	<0.003	<0.006	<0.006	33	0	0
Isoproturon	ug/l	0.1	<0.004	<0.004	<0.004	33	0	0
Ioxynil	ug/l	0.1	<0.002	<0.005	<0.005	33	0	0
Linuron	ug/l	0.1	<0.004	<0.004	<0.004	33	0	0
Mecoprop	ug/l	0.1	<0.003	<0.007	<0.008	33	0	0
MCPA	ug/l	0.1	<0.002	<0.006	<0.006	33	0	0
MCPB	ug/l	0.1	<0.004	<0.005	<0.008	33	0	0
Pentachlorophenol	ug/l	0.1	<0.002	<0.004	<0.004	33	0	0
Propazine	ug/l	0.1	<0.002	<0.002	<0.003	33	0	0
Prometryn	ug/l	0.1	<0.002	<0.002	<0.002	33	0	0
Propyzamide	ug/l	0.1	<0.004	<0.004	<0.004	33	0	0
Simazine	ug/l	0.1	<0.005	0.007	0.012	33	0	0
2,4,5-T	ug/l	0.1	<0.003	<0.005	<0.005	33	0	0
Terbutryn	ug/l	0.1	<0.003	<0.003	<0.003	33	0	0
2,4-DB	ug/l	0.1	<0.004	<0.005	<0.005	33	0	0
Fenoprop	ug/l	0.1	<0.003	<0.004	<0.004	33	0	0
Monuron	ug/l	0.1	<0.003	<0.003	<0.003	33	0	0
Picloram	ug/l	0.1	<0.005	<0.008	<0.008	33	0	0
Triclopyr	ug/l	0.1	<0.003	<0.005	<0.005	33	0	0
Tebuthiuron	ug/l	0.1	<0.002	<0.002	<0.002	33	0	0
Ametryne	ug/l	0.1	<0.002	<0.002	<0.002	33	0	0
Carbendazim	ug/l	0.1	<0.002	<0.002	<0.002	33	0	0
Metaldehyde	ug/l	0.1	<0.005	0.006	0.013	33	0	0
Total Pesticides	ug/l	0.5	0	0.019	0.038	35	0	0

NOTE: PCV = Prescribed Concentration or Value

THAMES WATER UTILITIES
WATER QUALITY REPORT - 2014 DATA

Water Supply Zone:	SWA17	AYLESBURY SOUTH	Zone No.:	159
			Population:	51139
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