

**THAMES WATER UTILITIES**  
**WATER QUALITY REPORT - 2014 DATA**

Water Supply Zone:		S31	ANDOVERSFORD NORTH COTSWOLD				Zone No.:		303
							Population:		4720
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	13	0	0	
<i>E. coli</i>	no./100ml	0	0	0	0	13	0	0	
<i>Enterococci</i>	no./100ml	0	0	0	0	4	0	0	
<i>Clostridium perfringens</i>	no./100ml	0	0	0	0	33	0	0	
Colony count 22°C	cfu/ml	-	0	0	0	5	0	0	
Colony count 37°C	cfu/ml	-	0	0	0	5	0	0	
Residual Disinfectant	mg/l	-	0.26	0.421	0.61	13	0	0	
Colour (Pt/Co scale)	mg/lPt/Co	20	<0.400	<0.700	<0.800	4	0	0	
Hydrogen Ion	pH	6.50-9.50	7.5	7.5	7.5	4	0	0	
Turbidity	FTU	4	<0.060	0.075	0.1	4	0	0	
Conductivity at 20°C	uS/cm	2500	445	446.75	450	4	0	0	
Ammonium as NH4	mg/l	0.5	0.03	0.03	0.03	4	0	0	
Chloride as Cl	mg/l	250	12.66	13.07	13.5	4	0	0	
Sodium as Na	mg/l	200	5.4	8.04	17.3	5	0	0	
Sulphate as SO4	mg/l	250	27.9	30.05	31.5	4	0	0	
Nitrate as NO3	mg/l	50	31.4	33.975	37.5	4	0	0	
Nitrite as NO2	mg/l	0.5	<0.010	0.018	0.04	4	0	0	
Nitrate/Nitrite calculation	mg/l	1	0.63	0.683	0.76	4	0	0	
Total Organic Carbon as C	mg/l	-	0.4	0.591	0.9	33	0	0	
Total Hardness as CaCO3	mg/l	N/A	234	239	244	2	0	0	
Odour (quantatative)	dilution no.	0	0	0	0	2	0	0	
Taste (quantatative)	dilution no.	0	0	0	0	2	0	0	
Iron as Fe	ug/l	200	<1.000	4.908	14.6	12	0	0	
Manganese as Mn	ug/l	50	<0.200	<0.650	<0.800	4	0	0	
Aluminium as Al	ug/l	200	1.9	2.725	3.5	4	0	0	
Antimony as Sb	ug/l	5	<0.500	<0.725	<0.800	4	0	0	
Arsenic as As	ug/l	10	<0.300	<0.300	<0.300	4	0	0	
Cadmium as Cd	ug/l	5	<0.100	<0.125	<0.200	4	0	0	
Chromium as Cr	ug/l	50	<0.900	<0.975	<1.200	4	0	0	
Copper as Cu	mg/l	2	0.042	0.072	0.106	4	0	0	
Lead as Pb	ug/l	10	0.6	1.025	1.9	4	0	0	
Mercury as Hg	ug/l	1	<0.040	<0.088	<0.120	33	0	0	
Nickel as Ni	ug/l	20	<1.300	<1.375	<1.600	4	0	0	
Fluoride as F	mg/l	1.5	0.06	0.083	0.103	4	0	0	
Selenium as Se	ug/l	10	<0.800	<0.800	<0.800	4	0	0	
Boron as B	mg/l	1	0.011	0.014	<0.017	4	0	0	
Bromate as BrO3	ug/l	10	<0.700	0.761	1.9	33	0	0	
Cyanide as CN	ug/l	50	<0.700	0.703	0.8	33	0	0	
PAHs (Sum of 4 substances)	ug/l	0.1	0	0	0	4	0	0	
Benzo (a) pyrene	ug/l	0.01	<0.001	<0.001	<0.001	4	0	0	
Trihalomethanes	ug/l	100	1.1	2.075	4.7	4	0	0	
Tetra- & Trichloroethene calc	ug/l	10	0	0	0	4	0	0	
Tetrachloromethane	ug/l	3	<0.200	<0.200	<0.200	4	0	0	
1,2 dichloroethane	ug/l	3	<0.200	<0.275	<0.300	4	0	0	

NOTE: PCV = Prescribed Concentration or Value

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					<b>Population:</b>		4720	
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<b>Date extracted: 10/04/2015</b>			<b>(all samples)</b>					
Parameter	Units	PCV	Min.	Mean	Max.	Total	Contra-vening	% of samples contravening PCV
Benzene	ug/l	1	<0.100	<0.100	<0.100	4	0	0
Atrazine	ug/l	0.1	<0.005	<0.005	<0.005	33	0	0
Bentazone	ug/l	0.1	<0.005	0.005	0.008	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	<0.003	<0.003	33	0	0
Clopyralid	ug/l	0.1	<0.009	0.01	0.016	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	<0.006	33	0	0
Diuron	ug/l	0.1	<0.003	<0.003	<0.003	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	<0.005	<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	<0.002	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	<0.005	<0.005	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	<0.007	<0.008	33	0	0
Triclopyr	ug/l	0.1	<0.003	0.005	0.006	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	0.012	33	0	0
Total Pesticides	ug/l	0.5	0	0.003	0.022	33	0	0

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			<b>Population:</b>	4720
<b>Time Period:</b> 01/01/2014 to 31/12/2014				
<b>Date extracted:</b> 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