

THAMES WATER UTILITIES
WATER QUALITY REPORT - 2014 DATA

Water Supply Zone: OX 5			CHINNOR WATLINGTON & CHALGROVE			Zone No.: 197		
						Population: 14498		
Time Period: 01/01/2014 to 31/12/2014			Concentration or Value (all samples)			No. of Samples		
Date extracted: 10/04/2015								
Parameter	Units	PCV	Min.	Mean	Max.	Total	Contra-vening	% of samples contravening PCV
Coliform bacteria	no./100ml	0	0	0	0	36	0	0
<i>E. coli</i>	no./100ml	0	0	0	0	36	0	0
<i>Enterococci</i>	no./100ml	0	0	0	0	8	0	0
<i>Clostridium perfringens</i>	no./100ml	0	0	0	0	285	0	0
Colony count 22°C	cfu/ml	-	0	0.083	1	24	0	0
Colony count 37°C	cfu/ml	-	0	0.042	1	24	0	0
Residual Disinfectant	mg/l	-	0.1	0.328	0.45	36	0	0
Colour (Pt/Co scale)	mg/lPt/Co	20	<0.400	<0.783	<0.800	24	0	0
Hydrogen Ion	pH	6.50-9.50	7.2	7.367	7.7	24	0	0
Turbidity	FTU	4	<0.060	0.108	0.81	24	0	0
Conductivity at 20°C	uS/cm	2500	529	568	600	24	0	0
Ammonium as NH ₄	mg/l	0.5	<0.030	<0.030	<0.030	24	0	0
Chloride as Cl	mg/l	250	16.96	23.143	26.45	8	0	0
Sodium as Na	mg/l	200	7.6	43.625	83.6	8	0	0
Sulphate as SO ₄	mg/l	250	12.2	37.35	51.5	8	0	0
Nitrate as NO ₃	mg/l	50	4.1	14.988	29.4	8	0	0
Nitrite as NO ₂	mg/l	0.5	<0.010	<0.010	<0.010	8	0	0
Nitrate/Nitrite calculation	mg/l	1	0.08	0.3	0.59	8	0	0
Total Organic Carbon as C	mg/l	-	0.4	0.666	1	32	0	0
Total Hardness as CaCO ₃	mg/l	N/A	188	246	304	2	0	0
Odour (quantatative)	dilution no.	0	0	0	0	14	0	0
Taste (quantatative)	dilution no.	0	0	0	0	14	0	0
Iron as Fe	ug/l	200	<2.000	43.342	113.8	24	0	0
Manganese as Mn	ug/l	50	<0.800	2.038	7.5	24	0	0
Aluminium as Al	ug/l	200	<1.400	3.354	10.7	24	0	0
Antimony as Sb	ug/l	5	<0.700	<0.788	<0.800	8	0	0
Arsenic as As	ug/l	10	0.3	0.438	0.9	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	0.026	0.072	8	0	0
Lead as Pb	ug/l	10	<0.200	0.838	4.3	8	0	0
Mercury as Hg	ug/l	1	<0.040	<0.087	<0.090	32	0	0
Nickel as Ni	ug/l	20	<1.300	<1.300	<1.300	8	0	0
Fluoride as F	mg/l	1.5	0.097	0.16	0.238	8	0	0
Selenium as Se	ug/l	10	<0.800	<0.800	<0.800	8	0	0
Boron as B	mg/l	1	0.015	0.092	0.155	8	0	0
Bromate as BrO ₃	ug/l	10	<0.700	0.719	1	32	0	0
Cyanide as CN	ug/l	50	<0.700	0.734	1.2	32	0	0
PAHs (Sum of 4 substances)	ug/l	0.1	0	0	0.001	8	0	0
Benzo (a) pyrene	ug/l	0.01	<0.001	<0.001	<0.001	8	0	0
Trihalomethanes	ug/l	100	1.7	7.8	10.3	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: OX 5			CHINNOR WATLINGTON & CHALGROVE			Zone No.: 197		
						Population: 14498		
Time Period: 01/01/2014 to 31/12/2014			Concentration or Value (all samples)			No. of Samples		
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	33	0	0
Bentazone	ug/l	0.1	<0.005	0.005	0.006	32	0	0
Bromoxynil	ug/l	0.1	<0.002	<0.005	<0.005	32	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	<0.010	<0.010	32	0	0
2,4-D	ug/l	0.1	<0.003	<0.004	<0.004	32	0	0
Dicamba	ug/l	0.1	<0.007	<0.007	<0.007	32	0	0
Dichlorprop	ug/l	0.1	<0.002	<0.004	<0.004	32	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	32	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	32	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	32	0	0
MCPA	ug/l	0.1	<0.002	<0.006	<0.006	32	0	0
MCPB	ug/l	0.1	<0.004	<0.005	<0.008	32	0	0
Pentachlorophenol	ug/l	0.1	<0.002	<0.004	<0.004	32	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	32	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	32	0	0
Fenoprop	ug/l	0.1	<0.003	<0.004	<0.004	32	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	32	0	0
Triclopyr	ug/l	0.1	<0.003	<0.005	<0.005	32	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	0.007	0.013	33	0	0
Total Pesticides	ug/l	0.5	0	0.004	0.015	34	0	0
Gross alpha activity	Bq/l	0.1	<0.040	<0.040	<0.040	4	0	0
Gross beta activity	Bq/l	1	0.11	0.12	0.13	4	0	0

NOTE: PCV = Prescribed Concentration or Value

THAMES WATER UTILITIES
WATER QUALITY REPORT - 2014 DATA

Water Supply Zone:	OX 5	CHINNOR WATLINGTON & CHALGROVE	Zone No.: 197 Population: 14498
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