## THAMES WATER UTILITIES WATER QUALITY REPORT - 2014 DATA

Time Period: 01/01/2014 to 31/12/2014   Concentration or Value (all samples)   No. of Samples	Water Supply Zone: S34 SWINDON SOUTHEAST Zone No.: 309 Population: 5278								
Parameter				Concentration or Value			-		
E. coli		Units	PCV	·		,	Total		% of samples contravening PCV
Enterococci	Coliform bacteria	no./100ml	0	0	0	0	25	0	0
Clostridium perfringens   no./100ml   0   0   0   0   0   8   0   0   0   Colony count 22°C   clu/ml   -   0   0.077   1   13   0   0   0   0   0   0   0   0   0	E. coli	no./100ml	0	0	0	0	25	0	0
Colony count 22°C   Cfu/ml   -   0   0.077   1   13   0   0   Colony count 37°C   Cfu/ml   -   0   0.077   1   13   0   0   0   Colony count 37°C   Cfu/ml   -   0   0.077   1   13   0   0   0   Colony count 37°C   Cfu/ml   -   0.1   0.275   0.45   24   0   0   Colour (Pt/Co scale)   mg/lPt/Co   20   <0.400   <0.767   <0.800   12   0   0   Colour (Pt/Co scale)   mg/lPt/Co   20   <0.400   <0.767   <0.800   12   0   0   Colour (Pt/Co scale)   mg/lPt/Co   20   <0.400   <0.767   <0.800   12   0   0   Colour (Pt/Co scale)   mg/lPt/Co   20   <0.400   <0.767   <0.800   12   0   0   Colour (Pt/Co scale)   mg/lPt/Co   20   <0.400   <0.767   <0.800   12   0   0   Colour (Pt/Co scale)   mg/lPt/Co   2500   496   534.833   566   12   0   0   Colour (Pt/Co scale)   mg/lPt/Co   2500   496   534.833   566   12   0   0   Colour (Pt/Co scale)   mg/lPt/Co   2500   496   534.833   566   12   0   0   Colour (Pt/Co scale)   mg/lPt/Co   2500   496   534.833   566   12   0   0   Colour (Pt/Co scale)   mg/lPt/Co   2500   496   534.833   566   12   0   0   Colour (Pt/Co scale)   mg/lPt/Co   250   15.84   16.293   16.79   8   0   0   Colour (Pt/Co scale)   mg/lPt/Co   2500   15.84   16.293   16.79   8   0   0   Colour (Pt/Co scale)   mg/lPt/Co   2500   15.84   16.293   16.79   8   0   0   Colour (Pt/Co scale)   mg/lPt/Co   2500   16   16.813   17.8   8   0   0   Colour (Pt/Co scale)   mg/lPt/Co   2500   16   16.813   17.8   8   0   0   Colour (Pt/Co scale)   mg/lPt/Co   mg/lPt/Co   2500   16   16.813   17.8   8   0   0   Colour (Pt/Co scale)   mg/lPt/Co   2500   16   16.813   17.8   8   0   0   Colour (Pt/Co scale)   mg/lPt/Co   2500   16   16.813   17.8   8   0   0   Colour (Pt/Co scale)   mg/lPt/Co   2500   16   16.813   17.8   8   0   0   Colour (Pt/Co scale)   mg/lPt/Co scale)   mg/lPt/Co scale)   mg/lPt/Colour	Enterococci	no./100ml	0	0	0	0	8	0	0
Colony count 37"C   Cfu/ml   -   0   0.077   1   13   0   0	Clostridium perfringens	no./100ml	0	0	0	0	8	0	0
Residual Disinfectant   mg/l   -   0.1   0.275   0.45   24   0   0   Colour (Pt/Co scale)   mg/IPt/Co   20   <0.400   <0.767   <0.800   12   0   0   0   Colour (Pt/Co scale)   mg/IPt/Co   20   <0.400   <0.767   <0.800   12   0   0   0   Colour (Pt/Co scale)   mg/IPt/Co   20   <0.400   <0.767   <0.800   12   0   0   Colour (Pt/Co scale)   mg/IPt/Co   20   <0.4000   <0.767   <0.800   12   0   0   Colour (Pt/Co scale)   mg/IPt/Co   Colour   mg/IPt/Co   Colour (Pt/Co scale)   mg/IPt/Co   Colour   mg/IPt/Colour   mg/	Colony count 22°C	cfu/ml	-	0	0.077	1	13	0	0
Colour (Pt/Co scale)   mg/lPt/Co   20   <0.400   <0.767   <0.800   12   0   0	Colony count 37°C	cfu/ml	-	0	0.077	1	13	0	0
Hydrogen Ion	Residual Disinfectant	mg/l	-	0.1	0.275	0.45	24	0	0
Turbidity	Colour (Pt/Co scale)	mg/IPt/Co	20	<0.400	<0.767	<0.800	12	0	0
Turbidity	Hydrogen Ion	pН	6.50-9.50	7.2	7.375	7.9	12	0	0
Ammonium as NH4   mg/l   0.5   <0.030   <0.030   <0.030   13   0   0			4	<0.060	0.068	0.09	12	0	0
Chloride as CI         mg/I         250         15.84         16.293         16.79         8         0         0           Sodium as Na         mg/I         200         5.3         7.138         16.2         8         0         0           Sulphate as SO4         mg/I         250         16         16.813         17.8         8         0         0           Nitrate as NO3         mg/I         50         34.6         37.275         41         8         0         0           Nitrate Allow Collection         mg/I         1         0.69         0.744         0.82         8         0         0           Nitrate/Nitrite calculation         mg/I         1         0.69         0.744         0.82         8         0         0           Total Organic Carbon as C         mg/I         -         0.5         0.6         0.8         8         0         0           Total Hardness as CaCO3         mg/I         N/A         284         291         301         3         0         0           Total Hardness as CaCO3         mg/I         N/A         284         291         301         3         0         0           Total Hardness as CaCO3	Conductivity at 20°C	uS/cm	2500	496	534.833	566	12	0	0
Chloride as CI         mg/I         250         15.84         16.293         16.79         8         0         0           Sodium as Na         mg/I         200         5.3         7.138         16.2         8         0         0           Sulphate as SO4         mg/I         250         16         16.813         17.8         8         0         0           Nitrate as NO2         mg/I         50         34.6         37.275         41         8         0         0           Nitrate Alvitrite calculation         mg/I         1         0.69         0.744         0.82         8         0         0           Nitrate/Nitrite calculation         mg/I         1         0.69         0.744         0.82         8         0         0           Total Organic Carbon as C         mg/I         -         0.5         0.6         0.8         8         0         0           Total Hardness as CaCO3         mg/I         N/A         284         291         301         3         0         0           Odour (quantatative)         dilution no.         0         0         0         0         6         0         0           Total Hardness as CaCO3 <td>Ammonium as NH4</td> <td>mg/l</td> <td>0.5</td> <td>&lt;0.030</td> <td>&lt;0.030</td> <td>&lt;0.030</td> <td>13</td> <td>0</td> <td>0</td>	Ammonium as NH4	mg/l	0.5	<0.030	<0.030	<0.030	13	0	0
Sodium as Na	Chloride as Cl		250	15.84	16.293	16.79	8	0	0
Sulphate as SO4   mg/l   250   16   16.813   17.8   8   0   0	Sodium as Na		200	5.3	7.138	16.2	8	0	0
Nitrate as NO3	Sulphate as SO4		250	16	16.813	17.8	8	0	0
Nitrate as NO2		-	50	34.6	37.275	41	8	0	0
Nitrate/Nitrite calculation   mg/l   1   0.69   0.744   0.82   8   0   0	Nitrite as NO2					<0.010	8	0	0
Total Organic Carbon as C         mg/l         -         0.5         0.6         0.8         8         0         0           Total Hardness as CaCO3         mg/l         N/A         284         291         301         3         0         0           Odour (quantatative)         dilution no.         0         0         0         0         6         0         0           Iron as Fe         ug/l         200         <1.000	Nitrate/Nitrite calculation	-						0	
Total Hardness as CaCO3         mg/l         N/A         284         291         301         3         0         0           Odour (quantatative)         dilution no.         0         0         0         0         6         0         0           Taste (quantatative)         dilution no.         0         0         0         0         6         0         0           Iron as Fe         ug/l         200         <1.000	Total Organic Carbon as C		-		0.6			0	0
Odour (quantatative)         dilution no.         0         0         0         0         6         0         0           Taste (quantatative)         dilution no.         0         0         0         0         6         0         0           Iron as Fe         ug/l         200         <1.000	•	_	N/A					0	
Taste (quantatative)         dilution no.         0         0         0         6         0         0           Iron as Fe         ug/l         200         <1.000									
Iron as Fe								0	
Manganese as Mn         ug/l         50         <0.200         <0.725         <0.800         8         0         0           Aluminium as Al         ug/l         200         <1.400			200					0	
Aluminium as Al   ug/l   200   <1.400   3.425   7.3   8   0   0							8		
Antimony as Sb		_							
Arsenic as As         ug/l         10         0.3         0.313         0.4         8         0         0           Cadmium as Cd         ug/l         5         <0.100									
Cadmium as Cd         ug/l         5         <0.100         <0.100         <0.100         8         0         0           Chromium as Cr         ug/l         50         <0.900	•								
Chromium as Cr         ug/l         50         <0.900         <0.938         <1.200         8         0         0           Copper as Cu         mg/l         2         0.004         0.019         0.047         8         0         0           Lead as Pb         ug/l         10         <0.200									
Copper as Cu         mg/l         2         0.004         0.019         0.047         8         0         0           Lead as Pb         ug/l         10         <0.200									
Lead as Pb         ug/l         10         <0.200         0.363         0.8         8         0         0           Mercury as Hg         ug/l         1         <0.040									
Mercury as Hg         ug/l         1         <0.040         <0.084         <0.090         8         0         0           Nickel as Ni         ug/l         20         <1.300		_							
Nickel as Ni         ug/l         20         <1.300         1.4         1.8         8         0         0           Fluoride as F         mg/l         1.5         0.069         0.098         0.151         8         0         0           Selenium as Se         ug/l         10         <0.800		The state of the s							
Fluoride as F         mg/l         1.5         0.069         0.098         0.151         8         0         0           Selenium as Se         ug/l         10         <0.800		Ť							
Selenium as Se         ug/l         10         <0.800         <0.800         <0.800         8         0         0           Boron as B         mg/l         1         0.014         0.019         0.045         8         0         0           Bromate as BrO3         ug/l         10         <0.700		T T							
Boron as B         mg/l         1         0.014         0.019         0.045         8         0         0           Bromate as BrO3         ug/l         10         <0.700									
Bromate as BrO3         ug/l         10         <0.700         <0.700         <0.700         8         0         0           Cyanide as CN         ug/l         50         <0.700		_							
Cyanide as CN         ug/l         50         <0.700         <0.700         <0.700         8         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		-							
PAHs (Sum of 4 substances)         ug/l         0.1         0         0.002         8         0         0           Benzo (a) pyrene         ug/l         0.01         <0.001								-	
Benzo (a) pyrene         ug/l         0.01         <0.001         <0.001         <0.001         8         0         0           Trihalomethanes         ug/l         100         3.7         8.1         19.1         8         0         0           Tetra- & Trichloroethene calc         ug/l         10         0         0         8         0         0	•								
Trihalomethanes         ug/l         100         3.7         8.1         19.1         8         0         0           Tetra- & Trichloroethene calc         ug/l         10         0         0         8         0         0	,								
Tetra- & Trichloroethene calc         ug/l         10         0         0         8         0         0									
		_							
I letrachioromethane I ug/i I 3 I <0.200 I <0.200 I <0.200 I 8 I 0 I 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		Ť							

## THAMES WATER UTILITIES WATER QUALITY REPORT - 2014 DATA

Water Supply Zone: S34 SWINDON SOUTHEAST Zone No.: 309 Population: 5278 Time Period: 01/01/2014 to 31/12/2014 **Concentration or Value** No. of Samples Date extracted: 10/04/2015 (all samples) % of samples Contra-**PCV** contravening Units Min. Mean Total **Parameter** Max. venina **PCV** < 0.100 < 0.100 < 0.100 0 0 Benzene ug/l 1 8 0.1 < 0.005 < 0.005 < 0.005 0 0 Atrazine ug/l 8 Bentazone 0.1 <0.005 < 0.005 < 0.005 8 0 0 ug/l 0.1 < 0.005 0 < 0.002 < 0.005 8 0 Bromoxynil ug/l Carbetamide 0.1 < 0.003 < 0.003 < 0.003 8 0 0 ug/l Chlortoluron 0.1 < 0.003 < 0.003 < 0.003 8 0 0 ug/l Clopyralid ug/l 0.1 < 0.009 < 0.010 < 0.010 8 0 0 2,4-D ug/l 0.1 < 0.003 < 0.004 < 0.004 8 0 0 0.1 0 Dicamba ug/l < 0.007 < 0.007 < 0.007 8 0 < 0.004 0.1 < 0.002 < 0.004 8 0 0 Dichlorprop ug/l Diuron ug/l 0.1 < 0.003 < 0.003 < 0.003 8 0 0 Fluroxypyr ug/l 0.1 < 0.003 < 0.006 < 0.006 8 0 0 0.1 8 0 Isoproturon ug/l < 0.004 < 0.004 < 0.004 0 0.1 0 <0.002 < 0.005 < 0.005 8 0 loxynil ug/l Linuron ug/l 0.1 < 0.004 < 0.004 < 0.004 8 0 0 0.1 < 0.003 < 0.007 <0.008 8 0 0 Mecoprop ug/l **MCPA** 0.1 < 0.002 < 0.005 < 0.006 8 0 0 ug/l **MCPB** ug/l 0.1 < 0.004 < 0.005 <0.008 8 0 0 Pentachlorophenol 0.1 < 0.002 < 0.004 < 0.004 8 0 0 ug/l Propazine ug/l 0.1 < 0.002 < 0.002 < 0.002 8 0 0 Prometryn ug/l 0.1 < 0.002 < 0.002 < 0.002 8 0 0 Propyzamide ug/l 0.1 < 0.004 < 0.004 < 0.004 8 0 0 Simazine ug/l 0.1 < 0.005 < 0.005 < 0.005 8 0 0 2,4,5-T ug/l 0.1 < 0.003 < 0.005 < 0.005 8 0 0 0.1 <0.003 < 0.003 < 0.003 0 Terbutryn ug/l 8 0 0.1 0 2,4-DB ug/l <0.004 < 0.005 < 0.005 8 0 0 Fenoprop ug/l 0.1 < 0.003 < 0.004 < 0.004 8 0 0 0 Monuron ug/l 0.1 < 0.003 < 0.003 < 0.003 8 Picloram 0.1 <0.005 < 0.007 <0.008 0 0 ug/l 8 0.1 < 0.003 < 0.005 < 0.005 0 0 Triclopyr ug/l 8 \_\_\_\_ Tebuthiuron 0.1 < 0.002 < 0.002 < 0.002 8 0 0 ug/l Ametryne ug/l 0.1 < 0.002 < 0.002 < 0.002 8 0 0 0.1 < 0.002 < 0.002 0 0 Carbendazim ug/l < 0.002 8 <0.005 <0.006 Metaldehyde 0.1 < 0.006 ug/l 8 0 0 **Total Pesticides** ug/l 0.5 0 0 8 0 0 0

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Water Supply Zone: S34 SWINDON SOUTHEAST Zone No.: 309 Population: 5278 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