# 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**
**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** |
| Coliform bacteria | no./100ml | 0 | 0 | 0 | 0 | 25 | 0 | 0 |
| *E. coli* | no./100ml | 0 | 0 | 0 | 0 | 25 | 0 | 0 |
| *Enterococci* | no./100ml | 0 | 0 | 0 | 0 | 8 | 0 | 0 |
| *Clostridium perfringens* | no./100ml | 0 | 0 | 0 | 0 | 8 | 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 |
| Residual Disinfectant | mg/l | - | 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 |
| Hydrogen Ion | pH | 6.50-9.50 | 7.2 | 7.375 | 7.9 | 12 | 0 | 0 |
| Turbidity | FTU | 4 | <0.060 | 0.068 | 0.09 | 12 | 0 | 0 |
| Conductivity at 20°C | uS/cm | 2500 | 496 | 534.833 | 566 | 12 | 0 | 0 |
| Ammonium as NH4 | mg/l | 0.5 | <0.030 | <0.030 | <0.030 | 13 | 0 | 0 |
| Chloride as Cl | mg/l | 250 | 15.84 | 16.293 | 16.79 | 8 | 0 | 0 |
| Sodium as Na | mg/l | 200 | 5.3 | 7.138 | 16.2 | 8 | 0 | 0 |
| Sulphate as SO4 | mg/l | 250 | 16 | 16.813 | 17.8 | 8 | 0 | 0 |
| Nitrate as NO3 | mg/l | 50 | 34.6 | 37.275 | 41 | 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 | 0.69 | 0.744 | 0.82 | 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 |
| Taste (quantatative) | dilution no. | 0 | 0 | 0 | 0 | 6 | 0 | 0 |
| Iron as Fe | ug/l | 200 | <1.000 | 2.65 | 6.8 | 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 | 3.425 | 7.3 | 8 | 0 | 0 |
| Antimony as Sb | ug/l | 5 | <0.700 | <0.788 | <0.800 | 8 | 0 | 0 |
| Arsenic as As | ug/l | 10 | 0.3 | 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 | 0.004 | 0.019 | 0.047 | 8 | 0 | 0 |
| Lead as Pb | ug/l | 10 | <0.200 | 0.363 | 0.8 | 8 | 0 | 0 |
| Mercury as Hg | ug/l | 1 | <0.040 | <0.084 | <0.090 | 8 | 0 | 0 |
| 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 | <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 | <0.700 | <0.700 | 8 | 0 | 0 |
| 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 | <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 | 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

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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**

| | | | 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 | <0.005 | <0.005 | 8 | 0 | 0 |
| Bentazone | ug/l | 0.1 | <0.005 | <0.005 | <0.005 | 8 | 0 | 0 |
| Bromoxynil | ug/l | 0.1 | <0.002 | <0.005 | <0.005 | 8 | 0 | 0 |
| Carbetamide | ug/l | 0.1 | <0.003 | <0.003 | <0.003 | 8 | 0 | 0 |
| Chlortoluron | ug/l | 0.1 | <0.003 | <0.003 | <0.003 | 8 | 0 | 0 |
| 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 |
| Dicamba | ug/l | 0.1 | <0.007 | <0.007 | <0.007 | 8 | 0 | 0 |
| Dichlorprop | ug/l | 0.1 | <0.002 | <0.004 | <0.004 | 8 | 0 | 0 |
| 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 |
| Isoproturon | ug/l | 0.1 | <0.004 | <0.004 | <0.004 | 8 | 0 | 0 |
| Ioxynil | ug/l | 0.1 | <0.002 | <0.005 | <0.005 | 8 | 0 | 0 |
| Linuron | ug/l | 0.1 | <0.004 | <0.004 | <0.004 | 8 | 0 | 0 |
| Mecoprop | ug/l | 0.1 | <0.003 | <0.007 | <0.008 | 8 | 0 | 0 |
| MCPA | ug/l | 0.1 | <0.002 | <0.005 | <0.006 | 8 | 0 | 0 |
| MCPB | ug/l | 0.1 | <0.004 | <0.005 | <0.008 | 8 | 0 | 0 |
| Pentachlorophenol | ug/l | 0.1 | <0.002 | <0.004 | <0.004 | 8 | 0 | 0 |
| 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 |
| Terbutryn | ug/l | 0.1 | <0.003 | <0.003 | <0.003 | 8 | 0 | 0 |
| 2,4-DB | ug/l | 0.1 | <0.004 | <0.005 | <0.005 | 8 | 0 | 0 |
| Fenoprop | ug/l | 0.1 | <0.003 | <0.004 | <0.004 | 8 | 0 | 0 |
| Monuron | ug/l | 0.1 | <0.003 | <0.003 | <0.003 | 8 | 0 | 0 |
| Picloram | ug/l | 0.1 | <0.005 | <0.007 | <0.008 | 8 | 0 | 0 |
| Triclopyr | ug/l | 0.1 | <0.003 | <0.005 | <0.005 | 8 | 0 | 0 |
| Tebuthiuron | ug/l | 0.1 | <0.002 | <0.002 | <0.002 | 8 | 0 | 0 |
| Ametryne | ug/l | 0.1 | <0.002 | <0.002 | <0.002 | 8 | 0 | 0 |
| Carbendazim | ug/l | 0.1 | <0.002 | <0.002 | <0.002 | 8 | 0 | 0 |
| Metaldehyde | ug/l | 0.1 | <0.005 | <0.006 | <0.006 | 8 | 0 | 0 |
| Total Pesticides | ug/l | 0.5 | 0 | 0 | 0 | 8 | 0 | 0 |

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**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**
**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

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