

2014 Reporting Year

Burton Water Quality Zone (BUR)								
Schedule 1 Parameters								
	Units	PCV	Number of samples	Number of Samples contravening PCV	% No. of samples contravening PCV	Minimum	Mean	Maximum
Colour	mg/l Pt/Co	20	77	0	0	<0.90	1.95	4.7
Turbidity	FTU	4	77	0	0	<0.08	0.155	0.71
Odour	Dil Number	0	77	0	0	0	0	0
Taste	Dil Number	0	77	0	0	0	0	0
Sodium	mg/l	200	10	0	0	18	20.41	26.2
Nitrate (as NO3)	mg/l	50	10	0	0	5	12.01	20.2
Nitrite (as NO2)	mg/l	0.1	10	0	0	<0.01	<0.01	<0.01
Nitrate/Nitrite Ratio	mg/l	1	10	0	0	0.1	0.24	0.40
Aluminium	ug/l	200	77	0	0	<2.0	14.2	164
Iron	ug/l	200	77	0	0	<4.0	6.91	99
Manganese	ug/l	50	77	0	0	<2.0	<2.0	22.1
Copper	mg/l	2	10	0	0	<0.004	0.020	0.118
Fluoride	mg/l	1.5	10	0	0	0.867	0.979	1.07
Arsenic	ug/l	10	10	0	0	0.89	1.78	2.8
Cadmium	ug/l	5	10	0	0	<0.10	<0.10	<0.10
Chromium	ug/l	50	10	0	0	<0.70	<0.70	<0.70
Nickel	ug/l	20	10	0	0	0.8	0.804	0.84
Lead	ug/l	10	10	0	0	<0.10	0.68	2.92
Antimony	ug/l	5	10	0	0	<0.10	1.175	2.17
Selenium	ug/l	10	10	0	0	<0.10	0.353	0.51
PAH	ug/l	0.1	10	0	0	0	0	0
Escherichia coli	No./100ml	0	253	0	0	0	0	0
Intestinal Enterococci	cfu/100ml	0	10	0	0	0	0	0
Boron	mg/l	1	10	0	0	<0.02	0.056	0.131
Benzo(a)pyrene	ug/l	0.01	10	0	0	<0.0005	<0.0005	<0.0005
Trihalomethanes (total)	ug/l	100	10	0	0	21.5	37.66	53.5
Bromate	ug/l	10	10	0	0	<0.50	0.4	1.2
Indicator Parameters								
	Units	PCV	Number of samples	Number of Samples contravening PCV	% No. of samples contravening PCV	Minimum	Mean	Maximum
pH		-	77	0	0	6.73	7.44	7.75
Sulphate (as SO4)	mg/l	250	10	0	0	58.8	92.39	127
Ammonium (as NH4)	mg/l	0.5	77	0	0	<0.064	<0.064	<0.064
Total coliforms	No./100ml	0	253	0	0	0	0	0
3 day count,22 deg C	cfu/ml	-	77	0	0	0	2.36	81
Total chlorine	mg/l	-	252	0	0	0.06	0.25	0.65
2 day count,37 deg C	cfu/ml	-	77	0	0	0	2.12	40
Conductivity	uS/cm	2500	77	0	0	451	508.53	865
Chloride	mg/l	250	10	0	0	30	40.4	51

* All of the samples collected from this zone in 2014 complied with the Water Supply (Water Quality) Regulations 2010. Supplies to this zone are fluoridated up to a level of 1mg/l.