

2018 Reporting Year

Burton 1 Water Quality Zone (BUR1)								
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	38	0	0	<1.00	1.32	2
Turbidity	FTU	1	38	0	0	0.1	0.10	0.11
Odour	Dil Number	0	38	0	0	0	0	0
Taste	Dil Number	0	38	0	0	0	0	0
Sodium	mg/l	200	8	0	0	0.6	18.05	22.2
Nitrate (as NO3)	mg/l	50	8	0	0	10.8	15.39	20.4
Nitrite (as NO2)	mg/l	0.1	8	0	0	<0.01	<0.01	<0.01
Nitrate/Nitrite Ratio	mg/l	1	8	0	0	0.22	0.31	0.41
Aluminium	ug/l	-	38	0	0	5	9.08	22.6
Iron	ug/l	200	38	0	0	<4.00	8.12	45.8
Manganese	ug/l	50	38	0	0	0.9	1.2368	5
Copper	mg/l	2	8	0	0	0.004	0.0559	0.135
Fluoride	ug/l	1500	8	0	0	0.25	0.84	1.06
Arsenic	ug/l	10	8	0	0	0.7	1.23	1.8
Cadmium	ug/l	5	8	0	0	<0.10	<0.10	0.06
Chromium	ug/l	50	8	0	0	<0.70	<0.70	0.35
Nickel	ug/l	20	8	0	0	<0.80	1.0125	1.6
Lead	ug/l	10	8	0	0	0.5	0.58	0.9
Antimony	ug/l	5	8	0	0	0.5	1.09	1.6
Selenium	ug/l	10	8	0	0	0.4	0.54	0.7
PAH	ug/l	0.1	8	0	0	0	0	0
Escherichia coli	No./100ml	0	125	0	0	0	0	0
Intestinal Enterococci	cfu/100ml	0	8	0	0	0	0	0
Boron	mg/l	1	8	0	0	0.06	0.0659	0.075
Benzo(a)pyrene	ug/l	0.01	8	0	0	<0.002	<0.002	<0.002
Trihalomethanes (total)	ug/l	100	8	0	0	28.7	45.6	65.4
Bromate	ug/l	10	8	0	0	<0.50	<0.50	0.7

Indicator Parameters								
	Units	PCV	Number of samples	Number of Samples contravening PCV	% No. of samples contravening PCV	Minimum	Mean	Maximum
pH		-	38	0	0	7.1	7.44	8.1
Sulphate (as SO4)	mg/l	250	8	0	0	54.8	67.41	80.1
Ammonium (as NH4)	mg/l	0.5	38	0	0	0.04	0.04	0.04
Total coliforms	No./100ml	0	125	0	0	0	0	0
Free chlorine	mg/l	-	126	0	0	0.03	0.24	0.71
Total chlorine	mg/l	-	126	0	0	0.09	0.38	0.89
Conductivity	uS/cm	2500	38	0	0	454	514.84	568
Chloride	mg/l	250	8	0	0	44	53.38	61

\* All of the samples collected from this zone in 2018 complied with the Water Supply (Water Quality) (Amendment) Regulations 2018. Supplies to this zone are fluoridated up to a level of 1mg/l