

2018 Reporting Year

Barr Beacon Water Quality Zone (BB)								
Schedule 1 Parameters								
	Units	PCV	Number of Samples	Number of Samples contravening PCV	% No. of samples contravening PCV	Min	Mean	Max
Colour	mg/l Pt/Co	20	78	0	0	<1.00	1.51	3
Turbidity	FTU	1	78	0	0	0.1	0.11	0.29
Odour	Dil Number	0	78	1	1.28	0	0.03	2
Taste	Dil Number	0	78	0	0	0	0	0
Sodium	mg/l	200	8	0	0	18	29.75	48.1
Nitrate (as NO3)	mg/l	50	8	0	0	18.5	20.31	24.7
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	0.37	0.41	0.50
Aluminium	ug/l	-	78	0	0	5	10.65	30.7
Iron	ug/l	200	78	0	0	<4.00	12.23	60.5
Manganese	ug/l	50	78	0	0	0.90	1.65	5.10
Copper	mg/l	2	8	0	0	0.00	0.02	0.05
Fluoride	ug/l	1500	8	0	0	0.83	0.97	1.08
Arsenic	ug/l	10	8	0	0	0.5	0.58	0.7
Cadmium	ug/l	5	8	0	0	<0.10	<0.10	0.06
Chromium	ug/l	50	8	0	0	<0.30	<0.30	0.35
Nickel	ug/l	20	8	0	0	<0.80	<0.80	1.7
Lead	ug/l	10	8	0	0	0.5	0.6375	1.3
Antimony	ug/l	5	8	0	0	<0.10	0.29	0.5
Selenium	ug/l	10	8	0	0	0.4	0.6	1.4
PAH	ug/l	0.1	9	0	0	0	0	0
Escherichia coli	No./100ml	0	235	0	0	0	0	0
Intestinal Enterococci	cfu/100ml	0	8	0	0	0	0	0
Boron	mg/l	1	8	0	0	0.05	0.06	0.073
Benzo(a)pyrene	ug/l	0.01	9	0	0	<0.002	<0.002	<0.002
Trihalomethanes (total)	ug/l	100	8	0	0	29.6	58.55	85.2
Bromate	ug/l	10	8	0	0	<0.50	1.44	4

Indicator Parameters								
	Units	PCV	Number of samples	Number of Samples contravening PCV	% No. of samples contravening PCV	Minimum	Mean	Maximum
pH		-	78	0	0	7.1	7.40	8.1
Sulphate (as SO4)	mg/l	250	8	0	0	35.2	47.86	60.2
Ammonium (as NH4)	mg/l	0.5	78	0	0	0.04	0.04	0.041
Total coliforms	No./100ml	0	235	0	0	0	0	0
Free chlorine	mg/l	-	236	0	0	0.03	0.17	5.2
Total chlorine	mg/l	-	236	0	0	0.07	0.30	0.66
Conductivity	uS/cm	2500	78	0	0	403	495.04	599
Chloride	mg/l	250	8	0	0	55	64.13	76

* With the exception of the Odour parameter all of the samples collected from this zone in 2018 complied with the Water Supply (Water Quality) (Amendment) Regulations 2018. The unsatisfactory sample was resampled and was found to comply with the regulations. Supplies to this zone are fluoridated up to a level of 1mg/l