

2014 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	<0.9	2.4	6.8
Turbidity	FTU	4	78	0	0	<0.08	0.187	0.46
Odour	Dil Number	0	79	0	0	0	0	0
Taste	Dil Number	0	79	0	0	0	0	0
Sodium	mg/l	200	10	0	0	17	25.06	46.5
Nitrate (as NO3)	mg/l	50	10	0	0	14.2	22.04	40.1
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	0.28	0.44	0.80
Aluminium	ug/l	200	78	0	0	<2.0	17.33	109
Iron	ug/l	200	78	0	0	<4.0	9.56	34.5
Manganese	ug/l	50	78	0	0	<2.0	2.51	13
Copper	mg/l	2	10	0	0	0.005	0.066	0.236
Fluoride	mg/l	1.5	10	0	0	0.45	0.93	1.04
Arsenic	ug/l	10	10	0	0	0.26	0.641	1.03
Cadmium	ug/l	5	10	0	0	<0.10	<0.10	<0.10
Chromium	ug/l	50	10	0	0	<0.01	<0.01	<0.01
Nickel	ug/l	20	10	0	0	0.81	0.99	1.24
Lead	ug/l	10	10	0	0	<0.10	0.776	2.83
Antimony	ug/l	5	10	0	0	0.15	0.335	0.48
Selenium	ug/l	10	10	0	0	0.1	0.284	0.45
PAH	ug/l	0.1	10	0	0	0	0	0
Escherichia coli	No./100ml	0	234	0	0	0	0	0
Intestinal Enterococci	cfu/100ml	0	10	0	0	0	0	0
Boron	mg/l	1	10	0	0	<0.020	0.0514	0.077
Benzo(a)pyrene	ug/l	0.01	10	0	0	<0.0005	<0.0005	<0.0005
Trihalomethanes (total)	ug/l	100	10	0	0	32.4	47.75	65.6
Bromate	ug/l	10	10	0	0	<0.50	0.87	2.6
Indicator Parameters								
	Units	PCV	Number of samples	Number of Samples contravening PCV	% No. of samples contravening PCV	Minimum	Mean	Maximum
pH		-	78	0	0	6.93	7.37	7.7
Sulphate (as SO4)	mg/l	250	10	0	0	30	51.63	63.7
Ammonium (as NH4)	mg/l	0.5	78	0	0	<0.064	<0.064	<0.064
Total coliforms	No./100ml	0	234	0	0	0	0	0
3 day count,22 deg C	cfu/ml	-	78	0	0	0	6.47	300
Total chlorine	mg/l	-	234	0	0	0.08	0.23	0.52
2 day count,37 deg C	cfu/ml	-	78	0	0	0	8.56	288
Conductivity	uS/cm	2500	78	0	0	356	492.34	574
Chloride	mg/l	250	10	0	0	45	52	76

* 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