

Barr Beacon South East Water Quality Zone (BBSE)								
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	52	0	0	2.00	2.62	6.00
Turbidity	FTU	4	52	0	0	0.12	0.13	0.20
Odour (quantitative)	Dil Number	0	52	0	0	0.00	0.00	0.00
Taste (quantitative)	Dil Number	0	52	0	0	0.00	0.00	0.00
Sodium	mg/l	200	8	0	0	13.80	21.93	39.90
Nitrate (as NO3)	mg/l	50	8	0	0	14.20	24.09	37.30
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	0.28	0.48	0.75
Aluminium	ug/l	200	52	0	0	6.10	9.43	35.90
Iron	ug/l	200	52	0	0	7.30	8.88	29.30
Manganese	ug/l	50	52	0	0	1.70	1.99	5.40
Copper (New Reg Limit)	mg/l	2	8	0	0	0.01	0.05	0.16
Fluoride	mg/l	1.5	8	0	0	0.53	0.86	1.15
Arsenic (New Regs Limit)	ug/l	10	8	0	0	1.00	1.03	1.20
Cadmium	ug/l	5	8	0	0	0.12	0.12	0.12
Chromium	ug/l	50	8	0	0	1.00	1.00	1.00
Nickel (New Reg Limit)	ug/l	20	8	0	0	0.90	1.19	2.50
Lead (New Reg Limit)	ug/l	10	8	0	0	0.90	1.03	1.90
Antimony (New Reg Limit)	ug/l	5	7	0	0	0.20	0.23	0.40
Selenium	ug/l	10	8	0	0	0.80	0.80	0.80
PAH	ug/l	0.1	8	0	0	0.00	0.00	0.00
Escherichia coli	No./100ml	0	134	0	0	0.00	0.00	0.00
Intestinal Enterococci	cfu/100ml	0	8	0	0	0.00	0.00	0.00
Boron (New Reg Limit)	mg/l	1	8	0	0	0.04	0.05	0.07
Benzo(a)pyrene	ug/l	0.01	8	0	0	0.00	0.00	0.00
Trihalomethanes (total)	ug/l	100	9	0	0	5.93	35.87	71.20
Bromate	ug/l	10	8	0	0	0.80	0.94	1.40
Indicator Parameters								
	Units	PCV	Number of samples	Number of Samples contravening PCV	% No. of samples contravening PCV	Minimum	Mean	Maximum
pH (New Reg Limit) Env		-	52	0	0	7.00	7.32	7.70
Sulphate (as SO4)	mg/l	250	8	0	0	17.70	41.88	66.50
Ammonium (as NH4)	mg/l	0.5	52	0	0	<0.02	0.02	0.05
Total coliforms	No./100ml	0	134	1	0.75	0.00	0.03	4.00
3 day count,22 deg C	cfu/ml	50	52	0	0	0.00	1.58	31.00
Free chlorine	mg/l	-	134	0	0	0.03	0.14	0.57
Total chlorine	mg/l	-	134	0	0	0.06	0.28	0.86
Conductivity	uS/cm	2500	52	0	0	260.00	462.10	602.00
Chloride	mg/l	250	8	0	0	47.00	56.00	70.00
* With the exception of the Total Coliforms parameter, all of the samples collected from this zone in 2025 complied with the Water Supply (Water Quality) (Amendment) Regulations 2016. The unsatisfactory samples were resampled and were found to comply with the regulations. Supplies to this zone are fluoridated up to a level of 1.5 mg/l								