

2014 Reporting Year

Springsmire Water Quality Zone (SP)								
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	75	0	0	<0.90	<0.90	2.2
Turbidity	FTU	4	75	0	0	<0.08	0.135	0.22
Odour	Dil Number	0	75	0	0	0	0	0
Taste	Dil Number	0	75	0	0	0	0	0
Sodium	mg/l	200	11	0	0	21.3	27.12	29.6
Nitrate (as NO3)	mg/l	50	10	0	0	36.7	41.25	46.5
Nitrite (as NO2)	mg/l	0.1	10	0	0	<0.007	<0.007	<0.007
Nitrate/Nitrite Ratio	mg/l	1	10	0	0	0.734	0.824	0.93
Aluminium	ug/l	200	75	0	0	<2.0	<2.0	18.1
Iron	ug/l	200	75	0	0	6.3	13.72	56.2
Manganese	ug/l	50	75	0	0	<2.0	<2.0	3
Copper	mg/l	2	10	0	0	0.011	0.075	0.214
Fluoride	mg/l	1.5	10	0	0	0.901	1.002	1.09
Arsenic	ug/l	10	10	0	0	0.68	0.899	2.48
Cadmium	ug/l	5	10	0	0	0.1	0.206	0.25
Chromium	ug/l	50	10	0	0	<0.70	<0.70	<0.70
Nickel	ug/l	20	10	0	0	0.8	1.045	1.17
Lead	ug/l	10	10	0	0	<0.10	0.935	6.73
Antimony	ug/l	5	10	0	0	<0.10	<0.10	<0.10
Selenium	ug/l	10	10	0	0	0.16	0.29	0.33
PAH	ug/l	0.1	11	0	0	0	0	0
Escherichia coli	No./100ml	0	211	0	0	0	0	0
Intestinal Enterococci	cfu/100ml	0	10	0	0	0	0	0
Boron	mg/l	1	10	0	0	0.027	0.076	0.096
Benzo(a)pyrene	ug/l	0.01	11	0	0	<0.0005	<0.0005	<0.0005
Trihalomethanes (total)	ug/l	100	11	0	0	3.22	7.406	20.4
Bromate	ug/l	10	10	0	0	<0.50	<0.50	0.6
Indicator Parameters								
	Units	PCV	Number of samples	Number of Samples contravening PCV	% No. of samples contravening PCV	Minimum	Mean	Maximum
pH		-	75	0	0	6.58	7.27	7.62
Sulphate (as SO4)	mg/l	250	10	0	0	30.2	51.9	57.5
Ammonium (as NH4)	mg/l	0.5	76	0	0	<0.064	<0.064	<0.064
Total coliforms	No./100ml	0	211	0	0	0	0	0
3 day count,22 deg C	cfu/ml	-	75	0	0	0	4.8	136
Total chlorine	mg/l	-	210	0	0	0.07	0.261	0.45
2 day count,37 deg C	cfu/ml	-	75	0	0	0	0.4	15
Conductivity	uS/cm	2500	75	0	0	491	536.16	554
Chloride	mg/l	250	10	0	0	46	50.3	52

* 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.