

## Springsmire Water Quality Zone (SP)

## Schedule 1 Parameters

	Units	PCV	Number of samples	Number of samples greater than PCV	% greater than PCV	Number of samples greater than authorised departure	% greater than authorised departure	Minimum	Mean	Maximum
Colour	mg/l Pt/Co	20	54	0	0	-	-	<0.4000	0.4519	2.4
Turbidity	FTU	4	54	0	0	-	-	<0.0300	0.0492	0.23
Odour (quantitative)	Dil Number	0	54	0	0	-	-	0	0	0
Taste (quantitative)	Dil Number	0	54	0	0	-	-	0	0	0
Sodium	mg/l	150	10	0	0	-	-	14	25.1	28
Nitrate (as NO3)	mg/l	50	10	0	0	-	-	15.1	39.06	43.9
Nitrite (as NO2)	mg/l	0.1	10	0	0	-	-	<0.0030	0.0054	0.018
Nitrate/Nitrite Ratio	mg/l	1	10	0	0	-	-	0.37	0.902	1
Aluminium	ug/l	200	54	0	0	-	-	<8.0000	<8.0000	22
Iron	ug/l	200	54	0	0	-	-	<10.0000	11.9074	39
Manganese	ug/l	50	54	0	0	-	-	<2.1000	<2.1000	4.7
Copper (New Reg Limit)	mg/l	2	10	0	0	-	-	<0.0030	0.0103	0.024
Fluoride	ug/l	1500	10	0	0	-	-	0.83	0.9858	1.08
Arsenic (New Regs Limit)	ug/l	10	10	0	0	-	-	<0.37	0.822	2.9
Cadmium	ug/l	5	10	0	0	-	-	<0.06	0.081	0.11
Chromium	ug/l	50	10	0	0	-	-	<0.7	<0.7	<0.7
Nickel (New Reg Limit)	ug/l	20	10	0	0	-	-	<0.9	1.61	5.5
Lead (New Reg Limit)	ug/l	25	10	0	0	-	-	<0.5	0.98	3
Antimony (New Reg Limit)	ug/l	5	10	0	0	-	-	<0.1700	<0.1700	0.085
Selenium	ug/l	10	10	0	0	-	-	<0.3000	0.301	0.57
Total PAHs (4 Det Total)	ug/l	0.1	10	0	0	-	-	0	0.0002	0.0010
Escherichia coli	No./100ml	0	201	0	0	-	-	<0.0000	<0.0000	0
Intestinal Enterococci	cfu/100ml	0	10	0	0	-	-	<0.0000	<0.0000	0
Boron (New Reg Limit)	mg/l	1	10	0	0	-	-	0.0170	0.0624	0.0810
Benzo(a)pyrene	ug/l	0.01	10	0	0	-	-	<0.001	<0.001	<0.001
Trihalomethanes (total)	ug/l	100	10	0	0	-	-	0	8.388	40.08
Bromate	ug/l	10	10	0	0	-	-	<0.6000	<0.6000	<0.6000

## Indicator Parameters

	Units	PCV	Number of samples	Number of samples greater than specification	% greater than specification	Minimum	Mean	Maximum
PH		9.5	54	0	0	6.5	6.9463	7.4
Sulphate (as SO4)	mg/l	250	10	0	0	21	44.71	50.9
Ammonium (as NH4)	mg/l	0.5	54	0	0	<0.0090	0.0094	0.038
Total organic carbon	mg/l	-	10	0	0	0.23	0.774	2.1
Total coliforms	No./100ml	0	201	0	0	0	0	0
Clostridium perfringens	No./100ml	0	54	0	0	0	0	0
3 day count, 22 deg C	cfu/ml	-	54	0	0	0	3.8148	85
Total chlorine	mg/l	-	201	0	0	0.04	0.147	0.51
2 day count, 37 deg C	cfu/ml	-	54	0	0	0	2.0926	38
Conductivity	uS/cm	1500	54	0	0	349	460.5	508
Chloride	mg/l	250	10	0	0	34.1	45.85	49.1

All of the results collected from this zone in 2010 complied with the Water Supply (Water Quality) Regulations 2000 (amended) 2007. Supplies to this zone are fluoridated up to a level of 1000µg/l.