

Cawney Hill Water Quality Zone (CW)

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	0.9222	2.1
Turbidity	FTU	4	54	0	0	-	-	<0.0300	0.0778	0.4
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	26.1	39
Nitrate (as NO3)	mg/l	50	10	0	0	-	-	20.5	30.18	43.6
Nitrite (as NO2)	mg/l	0.1	10	0	0	-	-	<0.0030	0.0044	0.009
Nitrate/Nitrite Ratio	mg/l	1	10	0	0	-	-	0.57	0.876	1
Aluminium	ug/l	200	54	0	0	-	-	<8.0000	11.0185	45
Iron	ug/l	200	54	0	0	-	-	<10.0000	<10.0000	34
Manganese	ug/l	50	54	0	0	-	-	<2.1000	2.2102	6.8
Copper (New Reg Limit)	mg/l	2	10	0	0	-	-	<0.0030	0.0499	0.32
Fluoride	ug/l	1500	10	0	0	-	-	0.838	0.9559	1.05
Arsenic (New Regs Limit)	ug/l	10	10	0	0	-	-	<0.37	0.69	2.3
Cadmium	ug/l	5	10	0	0	-	-	<0.06	0.073	0.13
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	1.19	1.7
Lead (New Reg Limit)	ug/l	25	10	0	0	-	-	<0.5	2.07	7.6
Antimony (New Reg Limit)	ug/l	5	10	0	0	-	-	<0.1700	<0.1700	0.28
Selenium	ug/l	10	10	0	0	-	-	<0.3000	<0.3000	0.43
Total PAHs (4 Det Total)	ug/l	0.1	10	0	0	-	-	0	0.0001	0.0010
Escherichia coli	No./100ml	0	177	0	0	-	-	0	0	0
Intestinal Enterococci	cfu/100ml	0	10	0	0	-	-	0	0	0
Boron (New Reg Limit)	mg/l	1	10	0	0	-	-	<0.017	0.0367	0.0580
Benzo(a)pyrene	ug/l	0.01	10	0	0	-	-	<0.001	<0.001	<0.001
Trihalomethanes (total)	ug/l	100	10	0	0	-	-	8.73	33.188	50.03
Bromate	ug/l	10	10	0	0	-	-	<0.006	<0.006	<0.006

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	6.7	7.1667	8
Sulphate (as SO4)	mg/l	250	10	0	0	23.2	43.06	59.5
Ammonium (as NH4)	mg/l	0.5	54	0	0	0	0.0083	0.03
Total organic carbon	mg/l	-	10	0	0	0.48	1.56	2.52
Total coliforms	No./100ml	0	178	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	8.5185	300
Total chlorine	mg/l	-	178	0	0	<0.0200	0.1742	0.52
2 day count, 37 deg C	cfu/ml	-	54	0	0	0	7.2593	231
Conductivity	uS/cm	1500	54	0	0	324	423.6111	496
Chloride	mg/l	250	10	0	0	33.9	45.69	53.8

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.