

22-Jul-24		Requirement	Ashton	Bonnievale	McGregor	Montagu	Robertson	Total Samples	Total Samples Complying
Treated Water	Measurement	Blue Standards							
	Drop								
Inflow ML									
pH (at 25°C)	≥5.00 - ≤9.70		7,1	7,23	7,03	7,3	6,68	5,00	5,00
Conductivity (at 25°C)	≤170		55,3	26,8	11,3	58,5	6	5,00	5,00
Turbidity (NTU)	≤1.0 Operational							5,00	3,00
	≤5.0 -Aeshetic		0,6	3	0,73	0,4	1,8	5,00	5,00
Colour (mg/L as Pt)	≤15		<4	<4	<4	<4	<4	5,00	5,00
Aluminium (µg/L as Al)	≤300		64	311	130	<40	226	5,00	4,00
Iron (µg/L as Fe)	≤300 Aesthetic Chronic Health ≤2000		<20	23	<20	<20	<20	5,00	5,00
Free Chlorine (mg/L)	>0.0 - ≤5		2	0,1	0,41	>5	1,6	5,00	5,00
E.Coli (cnt/100ml)	Not Detected		<1	<1	<1	<1	<1	5,00	5,00
Total Coliform Bacteria	≤10		<1	<1	<1	<1	<1	5,00	5,00
								10,00	10,00

Comments: The TDS in Ashton is always high and the filters needs to be refurbished in order to improve the drinking water quality.

Parameters	Unit	GENERAL LIMITS	SPECIAL LIMITS	15-Jul-23				Requirement Measurement (Irrigation 500m³)	Mc-Gregor	Total Samples	Total Samples Complying
				Ashton	Bonnievale	Montagu	Robertson				
Average daily flows (ML)				3,14	1,8	3,5	4,3	0,27			
pH	at 25°C	5.5 - 9.5	5.5 - 7.5	7,60	7,9	7,3	7,3	6.00 - 9.00	7,9	5	5
Conductivity	mS/m	<70.0 - <150	50mS/m above intake	208	115	122	179	<200	90,1	5	3
COD Unfiltered	mg/L			71,6	67,7	73,3	68			0	0
COD Filtered	mg/L	<75.0 After Algae Removal	30	51,4	59,4	59,4	63,7	<400	148	5	5
Ammonia as N	mg/L	6.0 max	2.0	28,6	0,75	2,2	12,6	N/A		4	2
Nitrate as N	mg/L	15. 0 max	1.5	4,0	0,25	2,5	2,4	N/A		4	4
Nitrite as N	mg/L	15.0 max		<0,20	<0,20	<0,20	0,29	N/A		0	0
Free Chlorine	mg/L	<0.25	0	>5	0,75	<0,05	0,05	N/A		0	0
TSS	mg/L	25	10	6	16	10	12	N/A		4	4
Ortho-P	mg/L	10	1 med 2,5max	3,30	3,8	7,4	5,6				0
Soap, oil or grease	mg/L	3	0								0
Faecal Coliforms	Org/100 ml	1000 max	1000	<1	117	1553	>2419	<100 000	23 200	5	3
E Coli	Org/100 ml	1000,0		<1	107	1300	>2419	N/A		4	2
								100 %	36,00	28,00	
								77,78			