

19-Oct-24		Requirement Measurement Blue Drop Standards	Ashton	Bonnievale	McGregor	Montagu	Robertson	Total Samples	Total Samples Complying
Treated Water									
Inflow ML			116l/s	57,9l/s	14l/s	60l/s	130l/s		
pH (at 25°C)	≥5.00 - ≤9.70		6,93	7,58	6,46	7,01	6,79	5,00	5,00
Conductivity (at 25°C)	≤170		60,5	80,6	10,2	58,8	14,6	5,00	5,00
Turbidity (NTU)	≤1.0 Operational							5,00	3,00
	≤5.0 -Aeshetic		0,35	0,82	3,2	0,33	1,4	5,00	5,00
Colour (mg/L as Pt)	≤15		<4	5	<4	<4	<4	5,00	5,00
Aluminium (µg/L as Al)	≤300		183	249	1387	<40	169	5,00	4,00
Iron (µg/L as Fe)	≤300 Aesthetic ≤2000 Chronic Health		<20	64	27	<20	33	5,00	5,00
Free Chlorine (mg/L)	>0.0 - ≤5		1,7	0,1	2,1	>5	0,42	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

Parameters	Unit	GENERAL LIMITS	SPECIAL LIMITS	21-Oct-24				Requirement Measurement (Irrigation 500m²)	Mc-Gregor	Total Samples	Total Samples Complying
				Ashton	Bonnievale	Montagu	Robertson				
Average daily flows (ML)				3,42ML/d	1,8ML/d	3,5ML/d	4,2ML/d		0,30ML/d		
pH	at 25°C	5.5 - 9.5	5.5 - 7.5	7,40	6,9	6,9	6,9	6.00 - 9.00	7,2	5	5
Conductivity	mS/m	<70.0 - <150	50mS/m above intake	219	148	137	216	<200	143	5	3
COD Unfiltered	mg/L			108	629	44	65,2			0	0
COD Filtered	mg/L	<75.0 After Algae Removal	30	85,7	280,0	35,9	61,1	<400	2	5	3
Ammonia as N	mg/L	6.0 max	2.0	44,0	40,9	4,6	47,6	N/A		4	1
Nitrate as N	mg/L	15.0 max	1.5	1,4	<0,20	0,99	0,4	N/A		4	4
Nitrite as N	mg/L	15.0 max		3,60	<0,20	3,2	<0,20	N/A		0	0
Free Chlorine	mg/L	<0.25	0	0,23	<0,05	<0,05	<0,05	N/A		0	0
TSS	mg/L	25	10	26	550	6	29	N/A		4	1
Ortho-P	mg/L	10	1 med 2,5max	7,50	15	2,3	3,7				0
Soap, oil or grease	mg/L	3	0								0
Faecal Coliforms	Org/100 ml	1000 max	1000	>2419	>2419	166	>2419	<100 000	11 200	5	2
E Coli	Org/100 ml	1000,0		>2419	>2419	150	>2419	N/A		4	1
									100		
										36,00	20,00
											55,56