

Parameters	Unit	GENERAL LIMITS	SPECIAL LIMITS	22-Feb-23				Requirement Measurement (Irrigation 500m ²)	Mc-Gregor	Total Samples	Total Samples Complying
				Ashton	Bonnievale	Montagu	Robertson				
Average daily flows (ML)											
pH	at 25°C	5.5 - 9.5	5.5 - 7.5	7,50	7,7	7,9	7,7	6.00 - 9.00	7,9	5	5
Conductivity	mS/m	<70.0 - <150	50mS/m above intake	207	139	184	167	<200	144	5	2
COD Unfiltered	mg/L			101	143	68	128			0	0
COD Filtered	mg/L	<75.0 After Algae Removal	30	180,0	92,1	60,5	88,7	<400	222	5	2
Ammonia as N	mg/L	6.0 max	2.0	36,1	13,1	56,8	51,1	N/A		4	0
Nitrate as N	mg/L	15.0 max	1.5	10,2	<0,20	>0,20	<0,20	N/A		4	4
Nitrite as N	mg/L	15.0 max		4,00	2,1	>0,20	<0,20	N/A		0	0
Free Chlorine	mg/L	<0.25	0	0,59	0,62	0,15	1,4	N/A		0	0
TSS	mg/L	25	10	18	55	37	33	N/A		4	1
Ortho-P	mg/L	10	1 med 2,5max	7,10	<0,20	8,6	4,4				0
Soap, oil or grease	mg/L	3	0								0
Faecal Coliforms	Org/100 ml	1000 max	1000	>2419	>2419	>2419	>2419	<100 000	27 600	5	1
E Coli	Org/100 ml	1000,0		>2419	>2419	>2419	>2419	N/A		0	0
									100 %	32,00	15,00

22-Feb-24		Requirement Measurement Blue Drop Standards	Ashton	Bonnievale	McGregor	Montagu	Robertson	Total Samples	Total Samples Complying
Treated Water									
Inflow ML									
pH (at 25°C)		≥5.00 - ≤9.70	7,43	7,51	6,76	7,38	6,49	5,00	5,00
Conductivity (at 25°C)		≤170	85,1	88	13,4	81,4	10	5,00	5,00
Turbidity (NTU)		≤1.0 Operational						5,00	2,00
		≤5.0 -Aeshetic	2	1,1	0,76	0,32	5,8	5,00	4,00
Colour (mg/L as Pt)		≤15	<4	<4	<4	<4	<4	5,00	5,00
Aluminium (µg/L as Al)		≤300	304	72	147	<40	464	5,00	3,00
Iron (µg/L as Fe)		≤300 Aesthetic ≤2000 Chronic Health	32	26	<20	24	203	4,00	5,00
Free Chlorine (mg/L)		>0.0 - ≤5	0,61	0,72	2,3	>5	1,8	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
Ashton WTW		Aluminium is above the operatioanl limits, investigation will be done followed by remedial actions.							
		The microbial failed on site due to less retention(contact time) however the end user complied. The resampling was not done because it will be fruitless expenditure.							