

22-Sep-22		Requirement Measurement Blue Drop Standards	Ashton	Bonnievale	McGregor	Montagu	Robertson	Total Samples	Total Samples Complying
<b>Treated Water</b>									
Inflow ML									
pH (at 25°C)		≥5.00 - ≤9.70	6.33	7,37	7,57	7,17	7,25	5,00	5,00
Conductivity (at 25°C)		≤170	45,5	85,5	10,4	47,5	8	5,00	5,00
Turbidity (NTU)		≤1.0 Operational							
		≤5.0 -Aeshetic	0,79	0,72	0,59	0,12	0,4	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	201	559	206	<40	58	5,00	4,00
Iron (µg/L as Fe)		≤300 Aesthetic ≤2000 Chronic Health	23	29	<20	<20	<20	5,00	5,00
Free Chlorine (mg/L)		>0.0 - ≤5	2,3	1,3	>5	1,8	0,87	5,00	5,00
E.Coli (cnt/100ml)		Not Detected	<1	<1	<1	<1	<1	5,00	5,00
Total Coliform Bacteria		≤10	261	<1	<1	<1	<1	5,00	4,00
								10,00	9,00

Ashton failed on Total Coliform in the main reservoir because Oxidation-Reduction process was not taken place and the analysis was done on the bases of the total Cl2 not on the residual Cl2 therefore retention time will be less however the following sampling point: 30950, 30951 & 30952 showed that microbiological parameters are with standard limits.

The COA is available upon request to substantiate the statement.

Parameters	Unit	GENERAL LIMITS	SPECIAL LIMITS	06-Sep-22				Requirement Measurement (Irrigation 500m³)	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	7,40	7.70	7,6	7,6	6.00 - 9.00	7,79	5	5
Conductivity	mS/m	<70.0 - <150	50mS/m above intake	163	137	158	165	<200	134	5	2
COD Unfiltered	mg/L			1397	41	66,9	1129			0	0
COD Filtered	mg/L	<75.0 After Algae Removal	30	45,0	37,0	62,2	103,0	<400	133	5	4
Ammonia as N	mg/L	6.0 max	2.0	21,0	36,2	32,8	36,2	N/A		4	0
Nitrate as N	mg/L	15.0 max	1.5	9,1	1,2	<0,20	<0,20	N/A		4	4
Nitrite as N	mg/L	15.0 max			6,1	5,6	<0,20	N/A		0	0
Free Chlorine	mg/L	<0.25	0	0,15	0,47	0,4	<0,06	N/A		0	0
TSS	mg/L	25	10	2	11	19	130	N/A		4	3
Ortho-P	mg/L	10	1 med 2,5max	5,82	0,51	4,8	8,7				0
Soap, oil or grease	mg/L	3	0								0
Faecal Coliforms	Org/100 ml	1000 max	1000	231	>2419	49	>2419	<100 000	980	5	3
E Coli	Org/100 ml	1000,0		206	>2419			N/A		0	0
									100 %	32,00	21,00
										65,63	