

Parameters	Unit	GENERAL LIMITS	SPECIAL LIMITS					Requirement Measurement (Irrigation 500m³)	Mc-Gregor	Total Samples	Total Samples Complying
				Ashton	Bonnievale	Montagu	Robertson				
Average daily flows (ML)				3,415ML/d	1,8ML/d	3,5ML/d	4.2ML/d		0,03		
pH	at 25°C	5.5 - 9.5	5.5 - 7.5	7,50	7.70	7,5	7,7	6.00 - 9.00	7,8	5	5
Conductivity	mS/m	<70.0 - <150	0mS/m above intake	256	208	146	222	<200	129	5	1
COD Unfiltered	mg/L			81,1	70,8	180	114			0	0
COD Filtered	mg/L	<75.0 After Algae Removal	30	54,1	46,7	76,0	56,6	<400	70,2	5	5
Ammonia as N	mg/L	6.0 max	2.0	29,7	0,33	2,1	45,1	N/A		4	2
Nitrate as N	mg/L	15.0 max	1.5	0,6	<0,20	2,1	<0,20	N/A		4	4
Nitrite as N	mg/L	15.0 max		<0,20	<0,20	<0,20	<0,20	N/A		0	0
Free Chlorine	mg/L	<0.25	0	3,10	0,2	0,25	<0,05	N/A		0	0
TSS	mg/L	25	10	21	8	11	18	N/A		4	4
Ortho-P	mg/L	10	1 med 2,5max	4,20	<0,20	3,2	3,3				0
Soap, oil or grease	mg/L	3	0								0
Faecal Coliforms	Org/100 ml	1000 max	1000	<1	1414	>2419	>2419	<100 000	4 120	5	2
E Coli	Org/100 ml	1000,0		<1	1300	>2419	>2419	N/A		5	1
									100%	37,00	24,00
										64,86	

The SDCl tablets are not effective if the dosing rate is within the limits, look at Ashton compared to the rest of the towns. Inadequate wasting in RWWTW has a negative impact on the plant, the NH3 is way too high because of insufficient Oxygen in the basin. Nitrifiers can not function efficiently to breakdown organic substances. It is urgent to get the Dewatering plant into operation, during winter the dry beds are not effective. The blower needs to be fixed in order to supply microbial energy.

22-Apr-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	7,22	7,37	6,92	7,3	6,14	5,00	5,00
Conductivity (at 25°C)	≤170	107	126	12,9	82,9	<5	5,00	5,00
Turbidity (NTU)	≤1.0 Operational						5,00	5,00
	≤5.0 -Aeshetic	1,5	1,3	0,5	0,52	1,6	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	156	206	167	554	253	5,00	4,00
Iron (µg/L as Fe)	≤300 Aesthetic ≤2000 Chronic Health	<20	34	<20	<40	24	4,00	5,00
Free Chlorine (mg/L)	>0.0 - ≤5	1,9	0,73	0,15	>5	1	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