

Parameters	Unit	GENERAL LIMITS	SPECIAL LIMITS	27-Apr-23				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	7,10	7,6	7,2	7,8	6.00 - 9.00	7,4	5	5
Conductivity	mS/m	<70.0 - <150	0mS/m above intake	235	214	176	200	<200	124	5	2
COD Unfiltered	mg/L			113	88,7	101	157			0	0
COD Filtered	mg/L	<75.0 After Algae Removal	30	86,1	70,0	42,0	138,0	<400	63,3	5	2
Ammonia as N	mg/L	6.0 max	2.0	60,8	96,8	57,6	62,2	N/A		4	0
Nitrate as N	mg/L	15.0 max	1.5	2,4	<0,20	<0,20	<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	0,43	0,15	<0,05	<0,05	N/A		0	0
TSS	mg/L	25	10	18	15	14	104	N/A		4	0
Ortho-P	mg/L	10	1 med 2,5max	8,80	0,21	4,1	6,6				0
Soap, oil or grease	mg/L	3	0								0
Faecal Coliforms	Org/100 ml	1000 max	1000	<1	>2419	>2419	>2419	<100 000	2 380	5	1
E Coli	Org/100 ml	1000,0		<1	>24197,40	>2419	>2419	N/A		5	1
									100%	37,00	15,00
										40,54	

All the plant are affected by the loadshedding hence they are not complying. Chlorine gas is the national crisis in the country however the HTH floats are utilise as a back up disinfectant.

23-Apr-23		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	7,24	7,62	6,7	7,66	6,68	5,00	5,00
Conductivity (at 25°C)		≤170	108	146	10	129	6,1	5,00	5,00
Turbidity (NTU)		≤1.0 Operational							
		≤5.0 -Aeshetic	2,2	1,4	0,66	1,4	1	5,00	5,00
Colour (mg/L as Pt)		≤15	8	10	<4	6	<4	5,00	5,00
Aluminium (µg/L as Al)		≤300	181	511	150	85	204	5,00	2,00
Iron (µg/L as Fe)		≤300 Aesthetic ≤2000 Chronic Health	51	32	<20	<20	43	5,00	5,00
Free Chlorine (mg/L)		>0.0 - ≤5	0,29	0,09	0,97	0,14	0,07	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	26	<1	5,00	5,00
								10,00	10,00