29-Jul-23 Treated Water	Requirement Measurement Blue Drop Standards	Ashton	Bonnievale	McGregor	Montagu	Robertson	Total Samples	Total Samples Complying
Inflow ML								
pH (at 25°C)	≥5.00 - ≤9.70	6,92	7,15	6,77	6,57	7,11	5,00	5,00
Conductivity (at 25°C)	≤170	37,5	41,3	10,1	33,7	6,6	5,00	5,00
Turbitity (NTU)	≤1.0 Operational							
	≤5.0 -Aeshetic	1,5	3,3	0,72	0,89	9,4	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	104	848	171	341	473	5,00	2,00
Iron (µg/L as Fe)	≤300 Aesthetic ≤2000 Chronic Health	35	94	<20	30	148	5,00	5,00
Free Chlorine (mg/L)	>0.0 - ≤5	1,5	1,2	1,6	2,5	0,15	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	27-Jul-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	7,30	7,72	7,43	7,4	6.00 - 9.00	7,7	5	5
Conductivity	mS/m	<70.0 - <150	mS/m above intal	266	117	137	217	<200	144	5	3
COD Unfiltered	mg/L			103	66,7	78,5	167			0	0
COD Filtered	mg/L	<75.0 After Algae Removal	30	65,0	54,4	52,0	102,0	<400	114	5	4
Ammonia as N	mg/L	6.0 max	2.0	52,3	<0,10	15,2	48,6	N/A		4	1
Nitrate as N	mg/L	15. 0 max	1.5	<0,20	0,52	0,39	<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	0,33	3,4	0,41	<0,05	N/A		0	0
TSS	mg/L	25	10	31	11	22	88	N/A		4	2
Ortho-P	mg/L	10	1 med 2,5max	5,30	1,7	6,7	4,7				0
Soap, oil or grease	mg/L	3	0								0
Faecal Coliforms	Org/100 ml	1000 max	1000	>2419	6	>2419	2419	<100 000	9 100	5	2
E Coli	Org/100 ml	1000,0		>2419	4	>2419	2419	N/A		5	1
								100	%	37,00	22,00
										59,46	

Ashton WWTW	The plant does not comply with NH3 because there is no backup Generator so the loadshedding hans an impact on the nitrification process. The Chlorine dosing is not in operation, waiting for the pipes.
Montagu WWTW	The plant failed on NH# because the backup Generator doesn't start on Auto during loadshedding at night, the stand by guys do come out at night to operate the Generator. The micribiological parameters also failed poor monitoring and the dosing is not adequate.
Robertson WWTW	The plant does not have a backup Generator so its not perfoming well and its is still oveloaded but the Press Machine is in operation. The microbiological parameters are failing as well due to inadequate dosing of Ca(ClO)2.