				16-Aug-22							
Parameters	Unit	GENERAL LIMITS	SPECIAL LIMITS	Ashton	Bonnievale	Montagu	Robertson	Requirement Measurement (Irrigation 500m³)	Mc-Gregor	Total Samples	Total Samples Complying
Average daily flows (ML)			3,07	o/c	2,324	4,993		0,313			
pH	at 25°C	5.5 - 9.5	5.5 - 7.5	7,55	7,36	7,52	7,19	6.00 - 9.00	7,43	5	5
Conductivity	mS/m	<70.0 - <150	50mS/m above intake	199	136	146	154	<200	135	5	3
COD Unfilter	mg/L			1175	2080	1385	885			0	0
		<75.0 After Algae									
COD Filtered	mg/L	Removal	30	121,0	35,0	55,0	142,0	<400	135	5	3
Ammonia as	mg/L	6.0 max	2.0	49,9	7,48	9,86	20,3	N/A		4	0
Nitrate as N	mg/L	15. 0 max	1.5	<0,10	1,28	0,81	<0,10	N/A		4	4
Nitrite as N	mg/L	15.0 max						N/A		0	0
Free Chlorine	mg/L	<0.25	0	0,09	<0,01	<0,01	0,23	N/A		0	0
TSS	mg/L	25	10	14	2,4	12,8	67	N/A		4	1
Ortho-P	mg/L	10	1 med 2,5max	8,44	1,55	4,66	0,61				0
Soap, oil or g	mg/L	3	0								0
Faecal Colifo	Org/100 ml	1000 max	1000	>20000	13800	140	>20000	<100 000	500	5	2
E Coli	Org/100 ml	1000,0			_	_	_	N/A	_	0	0
								100	%	56	5,25
										32,00	18,00

Plant perfomance										
All the plants failed on NH3 because of insufficient oxygen. Loadshedding has a huge impact on the WWTW perfomance, Montagu WWTW has the back up generator but										
purchasing of enough diesel takes more than 2 day.										
ĺ										
Failure on To	Failure on Total suspended solids at Montagu are caused by SST3 scum box which is not functioning properly. Busy trying to reinstate SST 1 & 2. Robertson WWTW SST									
has carry over.										
					I					
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		All the plar	nts are not perfoming on Mic	robiological, t	he floats that a	re used curren	tly are not enou	igh.		

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	7,2	7,74	6,86	7,61	7,44	5,00	5,00		
Conductivity (at 25°C)	≤170	60,6	101	10,6	59,3	8,22	5,00	5,00		
Turbitity (NTU)	≤1.0 Operational									
Turbidity (NTO)	≤5.0 -Aeshetic	1,02	0,54	0,57	<0,30	0,63	5,00	5,00		
Colour (mg/L as Pt)	≤15	<10	<10	10.6	<10	<10	5,00	5,00		
Aluminium (µg/L as Al)	≤300	39,3	32	23,5	15.8	<10	5,00	5,00		
Iron (µg/L as Fe)	≤300 Aesthetic ≤2000 Chronic Health	<20	<20	<20	<20	<20	5,00	5,00		
Free Chlorine (mg/L)	>0.0 - ≤5	1,42	0,3	0,38	<0,49	0,09	5,00	5,00		
E.Coli (cnt/100ml)	Not Detected	0	0	0	0	0	5,00	5,00		
Total Coliform Bacteria	≤10	0	45	0	2	7	5,00	4,00		
10										
Drinking water at the plant failed on total coliforms on the sample taken on the 10 August 2022. The resampling was requested,										
Bonnievale WTW	Bonnievale WTW it was done the 26 August 2022 the Total coliform=7cfu's and HPT=100cfu's									