

Parameters	Unit	GENERAL LIMITS	SPECIAL LIMITS	16-Aug-22				Requirement Measurement (Irrigation 500m³)	Mc-Gregor	Total Samples	Total Samples Complying
				Ashton	Bonnievale	Montagu	Robertson				
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 Unfiltered	mg/L			1175	2080	1385	885			0	0
COD Filtered	mg/L	<75.0 After Algae Removal	30	121,0	35,0	55,0	142,0	<400	135	5	3
Ammonia as N	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 grease	mg/L	3	0								0
Faecal Coliforms	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 %	56,25	
										32,00	18,00

Plant performance											
All the plants failed on NH3 because of insufficient oxygen. Loadshedding has a huge impact on the WWTW performance, Montagu WWTW has the back up generator but purchasing of enough diesel takes more than 2 day.											
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.											
All the plants are not performing on Microbiological, the floats that are used currently are not enough.											

