

15-Apr-22										
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	7,26	7,54	7,23	7,33	6,93	5,00	5,00	
	Conductivity (at 25°C)	≤170	54,6	55,1	13,5	59	9,94	5,00	5,00	
	Turbidity (NTU)	≤1.0 Operational								
		≤5.0 -Aeshetic	0,57	<0,30	0,47	<0,30	1,53	5,00	5,00	
	Colour (mg/L as Pt)	≤15	<10	<10	<10	<10	<10	5,00	5,00	
	Aluminium (µg/L as Al)	≤300	50,9	42,3	14,6	36,6	17,2	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		0,1	0,36		0,37	5,00	5,00		
E.Coli (cnt/100ml)	Not Detected	0	0	0	0	0	5,00	5,00		
Total Coliform Bacteria	≤10	0	0	0	0	4	5,00	5,00		
							10,00	10,00		

Parameters	Unit		15-Apr-22				Requirement Measurement (Irrigation 500m³)	Mc-Gregor	Total Samples	Total Samples Complying
			Ashton	Bonnievale	Montagu	Robertson				
Average daily flows (ML)					2,308		0,253			
pH	at 25°C	5.5 - 9.5	7,59	7,56	7,76	7,48	6.00 - 9.00	6,54	5	5
Conductivity	mS/m	>70.0 - <150	178	124	5	160	<200	133	5	3
COD Unfiltered	mg/L	>75.0	1161	1170	1190	1135	<400	2500	0	0
COD Filtered	mg/L	>75.0 After Algae Removal	79,0	41,0	25,0	84,0	N/A		4	2
Ammonia as N	mg/L	6.0 max	20,8	<0,10	<0,14	45,2	N/A		4	2
Nitrate as N	mg/L	15.0 max	0,8	1,73	5,25	1,63	N/A		4	0
Nitrite as N	mg/L	15.0 max					N/A		0	0
Free Chlorine	mg/L	<0.25	0,45	<0,01	<0,01	0,37	N/A		0	0
TSS	mg/L	25	13	<2	<2	11,2	N/A		4	4
Faecal Coliform	Org/100 ml	1000 max	6300	9900	5200	>20000	<100 000	200000	5	0
E Coli	Org/100 ml	1000,0					N/A		0	
								100%	51,61	
								Total	31	16

PLANT OPERATIONAL COMMENTS										
Ashton WWTW: The COD and N3H failure on the plant shows the plant is in the process of recovery, low nitrates shows the Nitification process is not stable yet.										
Bonnievale WWTW: The plant is performed well this month except Micribiological parameters, Cl is limited there is no dosing at WWTW.										
Robertson WWTW: Disludging is the main problem at the plant. All the beds are full, the department is in the process of fixing Huber press.										
Langeberg plants: There is no Cl2 dosing at the sewer plants because the stock is not sufficient only for portable water hence ALL the microbiological parameters failed.										