

Parameters	Unit		15-Jan-22				Requirement Measurement (Irrigation 500m³)	Mc-Gregor	Total Samples	Total Samples Complying
			Ashton	Bonnievale	Montagu	Robertson				
Average daily flows (ML)							0,27257			
pH	at 25°C	5.5 - 9.5	7,73	7,45	7,82	6.00 - 9.00	7,68	4	4	
Conductivity	mS/m	>70.0 - <150	171	141	139	<200	129	4	4	
COD Unfiltered	mg/L	>75.0	728	1710	1204	<400	787	0	0	
COD Filtered	mg/L	>75.0 After Algae Removal	60,0	41,0	55,0	N/A		3	3	
Ammonia as N	mg/L	6.0 max	25,6	23,6	19,3	N/A		4	0	
Nitrate as N	mg/L	15.0 max	4,8	0,6	0,31	N/A		3	3	
Nitrite as N	mg/L	15.0 max	0,00	0		N/A		0	0	
Free Chlorine	mg/L	<0.25	0,28	0,17	0,11	N/A		0	0	
TSS	mg/L	25	<2	>2	13,6	N/A		3	3	
Faecal Coliforms	Org/100 ml	1000 max	86	10700	3700	<100 000	280	5	1	
E Coli	Org/100 ml	1000,0				N/A		0		
							100%	69,23		
							Total	26	18	

Ashton WWTW failed on NH3 because biofilter is clogged
Bonnievale failed on microbiological parameters, no Cl2 dose at sewer plants
Montagu also failed on microbiological parameters, no Cl2 dose.

15-Jan-22	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	7,6	8,75	6,22	7,48	6,15	5,00	5,00
Conductivity (at 25°C)	≤170	59,4	66,4	3,33	49,5	4,73	5,00	5,00
Turbidity (NTU)	≤1.0 Operational							
	≤5.0 -Aeshetic	0,81	0,31	0,77	1,96	2,92	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	22,7	178	18	<10	<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	0,28	0,13	0,2	0,11	0,35	5,00	5,00
E.Coli (cnt/100ml)	Not Detected	2	0	0	1	7	5,00	5,00
Total Coliform Bacteria	≤10	45	6	0	30	2	5,00	3,00
							10,00	8,00