

13-Nov-21		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	7,57	8,17	6,88	7,07	6,28	5,00	5,00
Conductivity (at 25°C)		≤170	37,1	39,5	12,5	41,6	5,31	5,00	5,00
Turbidity (NTU)		≤1.0 Operational							
		≤5.0 -Aesthetic	1,57	1,08	0,6	1,29	1,9	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	<10	17,9	<10	<10	38,7	5,00	5,00
Iron (µg/L as Fe)		≤300 Aesthetic							
		≤2000 Chronic Health	<20	20	<20	20	38,5	5,00	5,00
Free Chlorine (mg/L)		>0.0 - ≤5	0,13	0,13	0,38	1,26	0,18	5,00	5,00
E.Coli (cnt/100ml)		Not Detected	0	0	0	0	0	5,00	5,00
Total Coliform Bacteria		≤10	0	4	1	3	8	5,00	5,00
								10,00	10,00

Parameters	Unit		15-Nov-21				Requirement Measurement (Irrigation 500m ³)	Mc-Gregor	Total Samples	Total Samples Complying
			Ashton	Bonnievale	Montagu	Robertson				
Average daily flows (ML)			None	Faulty	2,56504	2,6141		0,26524		
pH	at 25°C	5.5 - 9.5	7,52	7,6	8,24	7,54	6.00 - 9.00	7,48	5	5
Conductivity	mS/m	>70.0 - <150	169	151	133	198	<200	135	5	2
COD Unfiltered	mg/L	>75.0	677	304	1289	1277	<400	1012	0	0
COD Filtered	mg/L	>75.0 After Algae Removal	139,0	<75	73,0	118,0	N/A		4	2
Ammonia as N	mg/L	6.0 max	37,2	89,2	0,62	59,5	N/A		4	0
Nitrate as N	mg/L	15.0 max	<0,10	<0,10	1,75	0,89	N/A		4	4
Nitrite as N	mg/L	15.0 max					N/A		0	0
Free Chlorine	mg/L	<0.25	0,46	0,69	0,35	0,4	N/A		0	0
TSS	mg/L	25	49	38,2	19,6	32,9	N/A		4	1
Faecal Coliforms	Org/100 ml	1000 max	2800	>20000	1870	69000	<100 000	400	5	1
E Coli	Org/100 ml	1000,0					N/A		0	
								100%		48,39
								Total	31	15

ASHTON WWTW: The old plant is overloaded hence its failing on NH3 and TSS. The PST on the new plant is still Out of Commission , its been 3 months now.

s failed on Microbiological parameters because there was disinfection dosing at the final stage due to shortage of Cl2. So it was decided that Cl2 must be spare for WTW only until

Robertson WWTW is failing of TSS and NH3: Wasting is inadequate because of insufficient dry beds and the dewatering is out of commission.

evale WWTW: Dry beds are not enough so wasting is inadequate, there was no Cl2 dosing because the manifold had holes due to wear and tear therefore microbiological was aff