

19-Nov-24		Requirement Measurement Drop	Blue Standards	Ashton	Bonnievale	McGregor	Montagu	Robertson	Total Samples l/s	Total Samples Complying
Treated Water										
Inflow ML				116	57,9	14	60	130	377,90	
pH (at 25°C)		≥5.00 - ≤9.70		7,11	7,35	6,43	7,32	6,34	5,00	5,00
Conductivity (at 25°C)		≤170		66,7	82,5	9,2	46,4	7,5	5,00	5,00
Turbidity (NTU)		≤1.0 Operational								
		≤5.0 -Aeshetic	1,4	1,9	2,8	0,46	0,75	5,00	5,00	
Colour (mg/L as Pt)		≤15		<4	<4	<4	<4	<4	5,00	5,00
Aluminium (µg/L as Al)		≤300		310	302	1006	<40	64	5,00	2,00
Iron (µg/L as Fe)		≤300 Aesthetic Chronic Health	≤2000	28	42	45	<20	24	5,00	5,00
Free Chlorine (mg/L)		>0.0 - ≤5		2,1	1,3	0,61	0,31	0,45	5,00	5,00
E.Coli (cnt/100ml)		Not Detected		<1	<1	<1	<1	<1	5,00	5,00
Total Coliform Bacteria		≤10		<1	5	<1	<1	<1	5,00	5,00
									10,00	10,00

Parameters	Unit	GENERAL LIMITS	SPECIAL LIMITS	21-Nov-24				Requirement Measurement (Irrigation 500m³)	Mc-Gregor	Total Samples	Total Samples Complying
				Ashton	Bonnievale	Montagu	Robertson				
Average daily flows (ML)				3,42ML/d	1,8ML/d	3,5ML/d	4,2ML/d		0,30ML/d		
pH	at 25°C	5.5 - 9.5	5.5 - 7.5	7,60	7,2	8,1	7,5	6.00 - 9.00	7,4	5	5
Conductivity	mS/m	<70.0 - <150	50mS/m above intake	205	126	123	227	<200	110	5	3
COD Unfiltered	mg/L			62,4	55,1	78	118			0	0
COD Filtered	mg/L	<75.0 After Algae Removal	30	53,1	49,0	65,3	81,6	<400	85,7	5	4
Ammonia as N	mg/L	6.0 max	2.0	42,8	<0,10	5,5	57,3	N/A		4	2
Nitrate as N	mg/L	15. 0 max	1.5	<0,20	1,8	0,74	<0,20	N/A		4	4
Nitrite as N	mg/L	15.0 max		<0,20	<0,20	<0,20	<0,20	N/A		0	0
Free Chlorine	mg/L	<0.25	0	0,21	0,23	0,57	<0,05	N/A		0	0
TSS	mg/L	25	10	12	8	19	26	N/A		4	1
Ortho-P	mg/L	10	1 med 2,5max	6,90	3,1	12,4	5,4				0
Soap, oil or grease	mg/L	3	0								0
Faecal Coliforms	Org/100 ml	1000 max	1000	>2419	980	816	>2419	<100 000	51	5	3
E Coli	Org/100 ml	1000,0		>2419	866	770	>2419	N/A		4	2
100										36,00	24,00
Ashton WWTW: The lant is not perfoming well due to various faulty unit operations, see the operational report.										66,67	
Robertson WWTW: The blower is faulty and chemical determinands are affected, see operational report. The dosing in robertson is not monitored, the tablets gets depleted.											