

Langeberg Green Drop Report 2021

Red block: SANS 241 LIMITS

Yellow Block: Water analysis/results

Values marked red means Non-compliance



Parameters	Unit	18-Feb-21	18-Feb-21				Requirement Measurement (Irrigation 500m ³)	Mc-Gregor	Total Samples	Total Samples Complying	
			Ashton	Bonnievale	Montagu	Robertson					
Average daily flows (ML)			0,00		2,12246	Faulty		0,13289			
pH	at 25°C	5.5 - 9.5	7,04	7,41	7,56	7,56	6.00 - 9.00	7,73	5	5	
Conductivity	mS/m	>70.0 - <150	50	108	127	130	<200	139	5	5	
COD Unfiltered	mg/L	>75.0	1521	1005	848	903	<400	811	0	0	
COD Filtered	mg/L	>75.0 After Algae Removal	23,0	41	32	42	N/A		4	4	
Ammonia as N	mg/L	6.0 max	<0,10	7,37	18,4	16,7	N/A		4	1	
Nitrate as N	mg/L	15.0 max	2,6	0,16	0,23	3,97	N/A		4	4	
Nitrite as N	mg/L	15.0 max	0,13	<0,05	0,23	4,2	N/A		0	0	
Free Chlorine	mg/L	<0.25	0,72	1,25	0,44	0,15	N/A		0	0	
TSS	mg/L	25	68	<2	<2	7,6	N/A		4	3	
Faecal Coliforms	Org/100 ml	1000 max	47000	3100	600	>2000	<100 000	2900	5	1	
E Coli	Org/100 ml	1000,0	57000	4200	500	>2000	N/A		0		
								100%		74,19	
								Total		31	23

10-Mar-21		Requirement Measurement Blue Drop Standards	Ashton	Bonnievale	McGregor	Montagu	Robertson	Total Samples	Total Samples Complying
Treated Water									
pH (at 25°C)	≥5.00 - ≤9.70	7,11	7,81	7,41	7,27	6,84	5,00	5,00	
Conductivity (at 25°C)	≤170	40,3	49,5	15,7	51,3	10,8	5,00	5,00	
Turbidity (NTU)	≤1.0 Operational								
	≤5.0 -Aeshetic	0,39	<0,30	1,52	0,35	0,42	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	182	168	138	50	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	0,48	0,1	0,03	1,4	0,41	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	4	0	0	5,00	5,00	
							10,00	10,00	