

Langeberg Green Drop Report 2020

Red block: SANS 241 LIMITS

Yellow Block: Water analysis/results

Values marked red means Non-compliance



Parameters	Unit		18-Jan-21				Requirement Measurement (Irrigation 500m <sup>3</sup> )	Mc-Gregor	Total Samples	Total Samples Complying
			Ashton	Bonnievale	Montagu	Robertson				
Average daily flows (ML)			No meter	0,96977	Error	2,380245		0,22145		
pH	at 25°C	5.5 - 9.5	7,38	7,29	8,12	7,24	6.00 - 9.00	7,48	5	5
Conductivity	mS/m	>70.0 - <150	141	101	151	128	<200	144	5	4
COD Unfiltered	mg/L	>75.0	484	1125	1024	862	<400	862	0	0
COD Filtered	mg/L	>75.0 After Algae Removal	107,0	31	47	45	N/A		4	3
Ammonia as N	mg/L	6.0 max	38,9	<0,11	25,7	23,8	N/A		4	1
Nitrate as N	mg/L	15. 0 max	<0,10	2,21	<0,10	0,8	N/A		4	4
Nitrite as N	mg/L	15.0 max	<0,05	<0,05	0,36	0,15	N/A		0	0
Free Chlorine	mg/L	<0.25	0,92	0,47	1,64	0,7	N/A		0	0
TSS	mg/L	25	14	<2	<2	61,4	N/A		4	3
Faecal Coliforms	Org/100 ml	1000 max	200000	1140	>2000	7500	<100 000	13000	5	1
E Coli	Org/100 ml	1000,0	200000	1490	>2000	3900	N/A		0	
								100%	67,74	
								Total	31	21

03-Feb-21		Requirement Measurement Blue Drop Standards	Ashton	Bonnievale	McGregor	Montagu	Robertson	Total Samples	Total Samples Complying
<b>Treated Water</b>									
pH (at 25°C)	≥5.00 - ≤9.70	7,01	8,26	6,92	7,36	6,46	5,00	5,00	
Conductivity (at 25°C)	≤170	43,5	46,2	13,2	39,7	10	5,00	5,00	
Turbidity (NTU)	≤1.0 Operational								
	≤5.0 -Aeshetic	<0,32	1,84	1,65	<0,32	0,43	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	51,5	75,4	70,8	51,5	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	2,87	0,09	0,16	0,38	0,88	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	0	5,00	5,00	
								10,00	10,00