

Langeberg Green Drop Report 2020

Red block: SANS 241 LIMITS

Yellow Block: Water analysis/results

Values marked red means Non-compliance



Parameters	Unit	18-Dec-20	18-Dec-20				Requirement Measurement (Irrigation 500m³)	Mc-Gregor	Total Samples	Total Samples Complying
			Ashton	Bonnievale	Montagu	Robertson				
Average daily flows (ML)			1375,26	1034,03	3862,66	18931,63		0,22426		
pH	at 25°C	5.5 - 9.5	7,01	6,85	7,35	7,32	6.00 - 9.00	7,37	5	5
Conductivity	mS/m	>70.0 - <150	131	115	141	149	<200	124	5	5
COD Unfiltered	mg/L	>75.0	955	1665	998	1008	<400	954	0	0
COD Filtered	mg/L	>75.0 After Algae Removal	25,0	80	22	25	N/A		4	3
Ammonia as N	mg/L	6.0 max	3,4	3,41	17,3	18,5	N/A		4	2
Nitrate as N	mg/L	15.0 max	18,3	0,33	0,35	2,05	N/A		4	3
Nitrite as N	mg/L	15.0 max	0,32	0,19	<0,05	2,82	N/A		0	0
Free Chlorine	mg/L	<0.25	0,44	2,32	0,44	0,77	N/A		0	0
TSS	mg/L	25	<2	28,7	<2	43,2	N/A		4	2
Faecal Coliforms	Org/100 ml	1000 max	40	15000	70	780	<100 000	1700	5	4
E Coli	Org/100 ml	1000,0	40	20000	90	2300	N/A		0	
							100%		77,42	
							Total		31	24

Treated Water	Requirement Measurement Blue Drop Standards	Ashton	Bonnievale	McGregor	Montagu	Robertson	Total Samples	Total Samples Complying
	pH (at 25°C)	≥5.00 - ≤9.70	7,18	7,65	6,83	7,35	6,17	5,00
Conductivity (at 25°C)	≤170	52,1	57,9	12,4	41,4	7,84	5,00	5,00
Turbidity (NTU)	≤1.0 Operational	<0,32	0,46	0,53	<0,32	1,42	5,00	5,00
	≤5.0 -Aeshetic							
Colour (mg/L as Pt)	≤15	<10	<10	<10	<10	<10	5,00	5,00
Aluminium (µg/L as Al)	≤300	<50	<50	<50	<50	<50	5,00	5,00
Iron (µg/L as Fe)	≤300 Aesthetic ≤2000 Chronic Health	<20	<20	<20	100	<20	5,00	5,00
Free Chlorine (mg/L)	>0.0 - ≤5	0,72	0,24	0,07	0,14	1,45	5,00	5,00
E.Coli (cnt/100ml)	Not Detected	0	0	0		0	5,00	5,00
Total Coliform Bacteria	≤10	0	0	5		3	5,00	5,00
							10,00	10,00
Percentage Compliant %							100,00	