

17-Mar-25

| 19-Mar-25 | Requirement Measurement Blue Drop Standards | Ashton | Bonnievale | McGregor | Montagu | Robertson | Total Samples l/s | Total Samples Complying |
|-------------------------|----------------------------------------------------------------|---------------|-------------------|-----------------|----------------|------------------|------------------------------|----------------------------------------|
| Treated Water | | | | | | | | |
| Inflow ML | | 120 | | 14 | 60 | 130 | 324,00 | 5,00 |
| pH (at 25°C) | ≥5.00 - ≤9.70 | 7 | 7,07 | 7,06 | 7,37 | 6,84 | 5,00 | 5,00 |
| Conductivity (at 25°C) | ≤170 | 57,1 | 71,5 | 11,4 | 68,1 | 10,2 | 5,00 | 5,00 |
| Turbidity (NTU) | ≤1.0 Operational | | | | | | | |
| | ≤5.0 -Aeshetic | 0,4 | 0,45 | 0,98 | 0,26 | 1,6 | 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 | 92 | 99 | 367 | 141 | <40 | 5,00 | 4,00 |
| Iron (µg/L as Fe) | ≤300 Aesthetic | | | | | | | |
| | ≤2000 Chronic Health | <20 | <20 | <20 | <20 | <20 | 5,00 | 4,00 |
| Free Chlorine (mg/L) | >0.0 - ≤5 | 1,2 | 1,8 | 0,37 | 1,7 | 1,7 | 5,00 | 5,00 |
| E.Coli (cnt/100ml) | Not Detected | <1 | <1 | <1 | <1 | <1 | 5,00 | 5,00 |
| Total Coliform Bacteria | ≤10 | <1 | <1 | <1 | <1 | <1 | 5,00 | 5,00 |

| | Unit | GENERAL LIMITS | SPECIAL LIMITS | 17-Mar-25 | | | | Requirement Measurement (Irrigation 500m ³) | Mc-Gregor | Total Samples | Total Samples Complying |
|--------------------------|------------|---------------------------|---------------------|-----------|------------|---------|-----------|---------------------------------------------------------|-----------|---------------|-------------------------|
| | | | | Ashton | Bonnievale | Montagu | Robertson | | | | |
| Average daily flows (ML) | | | | | 1,8ML | 3,5ML | 4,2ML | | | | |
| pH | at 25°C | 5.5 - 9.5 | 5.5 - 7.5 | 7,50 | 7,1 | 7,5 | 7,4 | 6.00 - 9.00 | 7,4 | 5 | 5 |
| Conductivity | mS/m | <70.0 - <150 | 50mS/m above intake | 209 | 173 | 168 | 172 | <200 | 141 | 5 | 1 |
| COD Unfiltered | mg/L | | | 67,9 | 117 | 73,9 | 139 | | | 0 | 0 |
| COD Filtered | mg/L | <75.0 After Algae Removal | 30 | 52,2 | 99,6 | 66,4 | 99,6 | <400 | 91,3 | 5 | 3 |
| Ammonia as N | mg/L | 6.0 max | 2.0 | 67,9 | 64,5 | 26,7 | 49,5 | N/A | | 4 | 0 |
| Nitrate as N | mg/L | 15.0 max | 1.5 | 0,7 | <0,20 | 1,1 | 0,75 | N/A | | 4 | 4 |
| Nitrite as N | mg/L | 15.0 max | | <0,20 | <0,20 | 0,2 | <0,20 | N/A | | 0 | 0 |
| Free Chlorine | mg/L | <0.25 | 0 | 0,10 | 1,1 | <0,05 | >5 | N/A | | 0 | 0 |
| TSS | mg/L | 25 | 10 | 12 | 94 | <4 | 27 | N/A | | 4 | 2 |
| Ortho-P | mg/L | 10 | 1 med 2,5max | 6,40 | <0,20 | | 3 | 4,6 | | | 0 |
| Soap, oil or grease | mg/L | 3 | 0 | | | | | | | | 0 |
| Faecal Coliform | Org/100 ml | 1000 max | 1000 | >2419 | >2419 | >2419 | <1 | <100 000 | 500 | 5 | 2 |
| E Coli | Org/100 ml | 1000,0 | | >2419 | >2419 | >2419 | <1 | N/A | | 4 | 1 |
| | | | | | | | | 100% | | 36,00 | 18,00 |
| | | | | | | | | | | 50,00 | |

The plants are performing bad on chemical parameters, loadshedding and inadequate wasting are the contributing factors. The CI2 room contributes on the Microbial failure.