



A. L. ABBOTT & ASSOCIATES (PTY) LTD

Reg. No. 1982/004379/07

Established 1964

THE WATER & WASTE WATER SPECIALISTS

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EXECUTIVE SUMMARY

SWELLENDAM MUNICIPALITY

BUFFELJAGS WATER TREATMENT PLANT

DATE OF INSPECTION : 13 January 2026

1. The plant was operating at 6.0 l/sec during sampling.
2. The raw water turbidity increased from 7.0 to 9.2 NTU, but the colour remained unchanged at 227 mg/l as Pt.
3. Jar tests indicated that the Zetafloc dosing rate should be increased to 75.7 mg/l. Plant trials should be conducted to confirm this, however.
4. The treated water complied with the SANS 241-1:2015 limits, except for the turbidity, aluminium and free chlorine. The turbidity complied with Aesthetic limit, however.
5. The treated water was corrosive at pH 6.90, a pH of 9.50 being ideal. Soda Ash dosing should commence to improve stabilization.
6. The chlorine residuals were high. Reduce chlorination and maintain 0.40 mg/l free chlorine. Disinfection was complete.
7. The next inspection has been scheduled for **Wednesday, 11 March 2026**.


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N. VAN BINSBERGEN Pr.Sci.Nat.
DIRECTOR

26/1096
27 February 2026

To: **SWELLENDAM MUNICIPALITY**
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