

CASE STUDY

DAMS & RIVERS

Blue Valley Estate — dam recovery

Blue Valley Estate, South Africa



RESULT

E. coli fell from 63,000 CFU/100 mL to 1 CFU/100 mL — a 99.998% reduction, verified by Aquatico (SANAS T0685).

OVERVIEW

A residential estate dam carrying heavy bacterial contamination was brought back to near-clean condition over a twelve-month biological treatment programme.

THE CHALLENGE

The dam needed to be brought within safe bacterial limits without draining, excavation or chemical

treatment, on an estate where residents interact with the water directly.

TREATMENT

A twelve-month biological dosing programme was run on the affected dam.

Duration: Twelve-month treatment programme

OBJECTIVES

- Reduce E. coli contamination to safe levels
- Restore the dam using biological treatment only
- Track results independently through a SANAS-accredited laboratory

SITE CONDITIONS

- The estate dam had E. coli levels of 63,000 CFU/100 mL at the start of the programme.
- Treatment ran over twelve months.

RESULTS IN DETAIL



Before

E. coli measured at 63,000 CFU/100 mL.



After

E. coli measured at 1 CFU/100 mL — a 99.998% reduction, verified by Aquatico (SANAS T0685).

VERIFICATION

Verified by Aquatico, a SANAS-accredited laboratory (SANAS T0685).

WHY THIS MATTERS

This project shows sustained biological recovery of a residential dam over a full twelve-month cycle, verified by independent laboratory testing.

DISCLAIMER

Client name confirmation is pending with estate management before this case study is published.

Managing a residential estate dam?

Request a site assessment to discuss a biological treatment programme for your dam.

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