

CASE STUDY

DAMS & RIVERS

Rustenburg Dorpspruit — Emergency spill response

Rustenburg, North West



RESULT

Greater than 99.97% E. coli reduction was achieved, bringing the spill under control within 47 days.

OVERVIEW

An emergency biological response to a sewage spill into a municipal watercourse, brought under control within 47 days.

THE CHALLENGE

The spill required a rapid response into flowing water to bring bacterial contamination down before it caused further downstream impact.

TREATMENT

Baczyme Sewage Powder

A biological treatment response was applied to the affected watercourse.

Duration: 47 days

OBJECTIVES

- Respond to an active sewage spill in a municipal watercourse
- Reduce E. coli contamination as quickly as possible
- Bring the site under control within a defined response window

SITE CONDITIONS

- Raw sewage was spilling into a municipal watercourse.
- Response and monitoring ran over 47 days.

RESULTS IN DETAIL



Before



Response outcome

Greater than 99.97% E. coli reduction achieved within 47 days of the spill being reported.

VERIFICATION

Emergency spill response result; laboratory verification details for the specific figure were not provided in the source brief beyond the reduction percentage.

WHY THIS MATTERS

This project demonstrates a rapid biological response to an active municipal sewage spill rather than a planned, ongoing treatment programme.

DISCLAIMER

Client name confirmation is pending before this case study is published (municipal context — likely fine to name, to be confirmed).

Responding to a sewage spill?

Contact Baczyme for an emergency biological treatment response.

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