



PROCESS AND CHEMICAL ENGINEERING

Faecal Sludge and On Site Sanitation Management

3 day course

Classroom, online or in-house

Course overview

Most urban households across the region are not connected to a sewer, which means the sanitation service they receive depends on emptying, transport and a treatment facility that in many towns does not exist. This course covers that service chain. Delegates work through containment types from pit latrines to septic tanks, and what each produces in volume and character. Emptying is addressed practically, including manual and mechanical methods, access constraints in dense settlements and the safety of the people doing the work. Transport and transfer stations follow. Treatment options suited to faecal sludge are covered, including drying beds, settling and co treatment at a sewage works, with the loading limits that matter. Reuse and safe end use are addressed. Service delivery models, licensing of emptiers and pricing follow. Regulation and public health responsibility are covered. The course closes on planning a citywide service and on the parts of the chain that fail first.

What you will learn

- Relate containment type to sludge volume and character
- Plan emptying including access constraints in dense settlements
- Protect the safety of workers carrying out emptying
- Organise transport and transfer stations
- Select treatment suited to faecal sludge within loading limits
- Establish safe end use and reuse
- Design service models, licensing and pricing for a citywide service

Who should attend

- Municipal sanitation officers
- Utility staff extending services to unsewered areas
- Environmental health practitioners
- Emptying service operators and contractors
- Programme staff working on urban sanitation

Course outline

- 01 Sanitation without a sewer
- 02 Containment types and what they produce
- 03 Emptying methods and access constraints
- 04 Worker safety in emptying
- 05 Transport and transfer stations
- 06 Drying beds, settling and co treatment
- 07 Loading limits and safe end use
- 08 Service models, licensing, pricing and citywide planning

Upcoming dates

Dates	Venue	Format	Fee per delegate
7 to 9 October 2026	Online	Online	R6,500
2 to 4 December 2026	Nairobi, Kenya	Classroom	USD 995
9 to 11 December 2026	Cape Town, South Africa	Classroom	R14,950



Fees and how to register

This 3 day course is **R6,500** per delegate online, **R14,950** in the classroom in South Africa, Botswana, Namibia, Lesotho and Eswatini, and **USD 995** in the classroom elsewhere in Africa. In-house training is quotation on request. Book 2 or more delegates on this course and save 10%.

To register or request an in-house proposal, visit www.afrisciencegroup.com, email info@afriscience.co.za, or WhatsApp us on **+27 63 479 1136**.

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