



Water Management in Mining Operations

DURATION

5 days

CONTACT HOURS

30

LEVEL

Intermediate

FEE PER DELEGATE

US\$1,500

Managing mine water as a balance: what comes in, what is used, what is stored, and what has to leave.

Mines are either short of water or drowning in it, often in the same year. Managing it properly starts with a site water balance accounting for every input and output, and most operations do not have one that closes. This week builds that balance, then works through dewatering, storage, treatment and discharge, and the quality obligations attached to each. Climate variability is treated as a design condition rather than an excuse.

Available as classroom, live online, in house.

Who it is for

Environmental and water managers, mine planners and hydrogeologists, process engineers handling water circuits, and compliance staff.

What you will be able to do

- Build a site water balance that closes.
- Plan dewatering for pit or underground operations.
- Specify storage and containment for the design event.
- Select treatment proportionate to the discharge obligation.
- Manage water quality and reporting against licence conditions.

The outline

DAY 1

The balance

Inputs: rainfall, runoff, groundwater and imports · Uses: process, dust suppression and potable · Losses, storage change, and closing the balance

DAY 2

Dewatering

Pit and underground dewatering · Pumping systems and reliability · Groundwater interception and its consequences

DAY 3

Storage

Dams, ponds and design storm events · Freeboard, spillways and overtopping · Seepage and liners

DAY 4

Quality and treatment

Contaminants of concern by operation type · Treatment options and running cost · Reuse and recycling

DAY 5

Compliance and climate

Discharge limits and monitoring · Drought and flood planning · Reporting, and community concern about water

What you leave with

- A site water balance for one operation.
- A storage and containment adequacy check.
- A water quality monitoring and reporting plan.

Published dates

DATES	WHERE	FEE
23 to 27 November 2026	Nairobi, Kenya	US\$1,500
30 November 2026 to 4 December 2026	Gaborone, Botswana	R15,000
7 to 11 December 2026	Dubai, United Arab Emirates	US\$1,500
14 to 18 December 2026	Lagos, Nigeria	US\$1,500

Fees are per delegate and cover all course materials. Registration fees are arranged by the delegate. Reg

Register or ask a question

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