

SOUTHERN AFRICAN MINE WATER CONFERENCE 2026

TECHNICAL VISIT
06 NOVEMBER 2026

REGISTRATION

R500 p.p

Includes transport and lunch.



REGISTER HERE

BACKGROUND

Mintek has been developing its cloSURE® technology for the treatment of mine-influenced waters, specifically targeting waters with elevated sulphate concentrations. The process has moved from laboratory scale in 2012 to piloting phases between 2016 and 2020 and then to demonstration-scale. In partnership with the Technology Innovation Agency, Thungela, Mintek, University of Pretoria and The Moss Group, demonstration plant was constructed and commissioned at the eMalahleni Water Reclamation Plant. The process is currently being demonstrated, treating 50 000 L/d mine water per day.

The process consists of a biological sulphate reduction stage for neutralisation and generation of alkalinity, reduction of sulphate and precipitation of metals. With elevated levels of sulphate, excess sulphide is produced. The second stage of the process aims to produce a biosulphur product. There is a final polishing step for softening of the water, intended to produce water that is fit for re-use in irrigated agriculture.

ITINERARY FOR THE DAY

TIME	ACTIVITY
06:15	Check-in and registration at Glenburn reception
06:30	Depart from Glenburn Lodge to Emalahleni Water Reclamation Plant
08:30	Arrival at Emalahleni Water Reclamation Plant
08:30 - 09:00	Registration at the gate
09:00 - 10:00	Presentation
10:00 - 12:00	Site walks in small groups (including site induction and safety talk)
12:00 - 13:00	Lunch
13:00 - 15:00	Drive back to Glenburn Lodge

PPE REQUIREMENTS

Safety shoes, hard hats and safety glasses.

DURATION OF THE TECHNICAL VISIT

Full day – 2 hour drive from Glenburn Lodge to EWRP
1 hour presentations
1 hour site tour
2 hour drive back to Glenburn lodge