

Middelburg Water Reclamation Plant

Middelburg, Mpumalanga, South Africa



25 MLD
Capacity



99.7%
plant recovery



Environmental benefit through
cleaner water and healthier
ecosystems.

Transforming mine impacted water into water
suitable for reuse and safe discharge

CHALLENGES

- Unmanaged mine impacted water.
- Polluted water sources
- No reuse potential

SOLUTION & TECHNOLOGIES

- High-capacity treatment: Can treat 25 megaliters of water per day
- Efficient water recovery: Achieves 99.7% plant water recovery
- Sustainable design: Zero brine discharge plant without the need for thermal brine treatment

BENEFITS

- Potable water for communities
- Saleable by-product
- Reduced environmental footprint