

Optimum Water Reclamation Plant

Hendrina, Mpumalanga, South Africa



15 - 18.5 MLD
water treated



Gypsum used in
construction



98%
plant recovery

HiPRO™



Supports local
water supply

Transforming Acid Mine Drainage into
Safe Drinking Water

CHALLENGES

The client needed to treat surplus mine water generated by mining activities to reduce reliance on municipal water and minimize environmental impact.

SOLUTION & TECHNOLOGIES

Nafasi designed and built a plant with reactor/clarifiers and multi-stage UF/RO systems

BENEFITS

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