



ENVIRONMENTAL TECHNOLOGY

AESSEAL® product brings big savings for South African company

The installation of an AESSEAL® FGDSS-N™ single slurry seal is saving a South African mining company thousands of dollars a year in repair and maintenance costs.

The pumps on the company’s tailings lines had been using a gland packing system, but persistent product leakage meant that they had to be repacked every other day, resulting in unscheduled downtime and repair and maintenance costs of some R350,000 (or around US\$20,000) a year for each pump.

AESSEAL® recommended the installation of its FGDSS-N™ single mechanical seal, which is specially designed for general slurry applications. Its robust construction makes the seal particularly suitable for the highly abrasive environment of slurry pumps.

The seals, installed on the first talings line in May 2024, have been working for more than a year without a problem, and produced a return on investment after just five months. Product is no longer leaking into the atmosphere, there are no ongoing clean-up costs, and maintenance costs have been dramatically reduced, with total savings of R130,000 (US\$7,500) per month per pump. A second talings line with three pumps in series were fitted in March 2025 which is also providing the same average saving per pump.



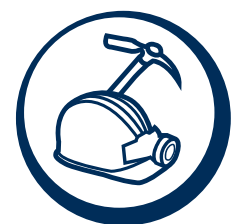
Before installation



After installation

‘Reliability increase from <2 days to >1 year’

Industry:	Mining
Product:	FGDSS-N™
Application:	Chrome Mine Wash Plant
MTBF Increase:	17,800% (and counting)
Savings:	>\$315,000 (and counting)
Reference N.O:	TD3112068



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