



ENVIRONMENTAL TECHNOLOGY

## Reduced water consumption quickly repays investment

A large Warman 14/12 GAH pump was pumping a mineral sand slurry and was leaking excessive packing gland water, creating excessive mud on site. This pump required 9 US gallons (34 litres) per minute (gpm) of gland water on the packing for proper operation. The pump operator turned to AESSEAL®.

AESSEAL® replaced the packing with a double mechanical seal and water management system. The water leakage was reduced to zero and the improvement in the physical condition of the pump area is obvious from the photographs below. In addition, the mine operator found that, with the elimination of the packing gland water going into the product, he could actually pump more product and less water. The entire seal upgrade paid for itself in only three weeks.

A total of 24 pumps have now been upgraded to double seals, saving an estimated 113.5 million US gallons (429 million litres) per year of water



Before



After

## '3 week payback'

Industry:	Mining
Product:	Double seal and water management system
Application:	Slurry
Savings:	113.5 million gallons of water per year
Reference N.O:	SAN2009

