



ENVIRONMENTAL TECHNOLOGY

Saving over 1 billion gallons of water

The largest diamond mine in the world (Debswana Orapa) is located in an extremely arid region of Africa. The mine's Warman® F-frame pumps were sealed with gland packing which required 19 US gallons (71 litres) per minute of gland water per pump. The company turned to AESSEAL® for assistance.

AESSEAL® recommended fitting double mechanical seals along with a water management system to the 18 Warman® 6X4 E-frame and 12X10 F-frame slurry pumps. After seven years in operation the seals were still running fine with reported water savings of 1.1 billion US gallons (4.1 billion litres) which has a value of \$3.9 million.



“1 Billion gallons of water saved”

Industry:	Mining
Product:	Double Seal & Water Management System
Application:	Slurry
Savings:	\$3.9 million
Country:	Botswana
Reference no:	Botts2005



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