



ENVIRONMENTAL TECHNOLOGY

DMSF™ ends leakage problem for Saudi firm

The split seal on a transfer pump at a wastewater plant in Saudi Arabia was leaking so badly that sewage was flooding the pumping room. The failures were occurring at less than six-monthly intervals, which the company found unacceptable.

AESSEAL® undertook to find a solution to the problem, and suggested that the existing split seal should be replaced by an AESSEAL® DMSF™ double seal and SW2™ water management system. The DMSF™ is specially designed for difficult applications and is regarded as the most technologically advanced seal in its class. One of its main features is its ability to withstand barrier and process pressure fluctuations.

The new seal was installed in December 2023. Usually, the engineer would replace the split seal with another split seal, but on this occasion the AESSEAL® engineer adopted a different approach, and took the decision to replace it with a double seal.

This made a major difference, and the seal is still working effectively after more than one year, eliminating the leakage problem and saving the company an estimated £50,000 in the cost of seals, labour, and unscheduled downtime.



‘Reliability increased from <6 months to >1 year’

Industry:	Water & Waste
Product:	DMSF™ & SW2™
Application:	Transfer Pump
MTBF Increase:	100% (and counting)
Savings:	£50,000
Reference N.O:	TD3111727



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