AESSEAL® system fixes sewage problems for US township

A municipality in Pennsylvania was having issues with major inefficiencies in its sewage treatment system.

One problem was that it was using potable water at a rate of 1.5 million gallons a year for each of its pumps. The municipality is required to pay for this water, and the volumes it needed to flush through the system was placing a strain on its budget.

The second problem concerned the performance of the split seals on its sewage pumps. These had a tendency to leak, which meant that there was the constant potential for raw sewage to leak into the ground water, posing a serious public health risk. The frequent requirement for replacement parts for the faulty seals only added to the overall expense.

The remedy suggested by AESSEAL® was that the split seals should be replaced by the AESSEAL® CDSA™ double seal and the SW2™ water management system. This was installed in April 2019, and is still running without any problems almost five years later. It has helped to reduce unplanned downtime, and has done away with the expensive and time-consuming requirement to change out faulty split seal kits at US$2,500 to US$3,500 a time.

The greater efficiency of the CDSA™ seal and the SW2™ system means that the municipality has been able to reduce its usage of potable water by 98%. Overall, water savings have been calculated at almost 19 million gallons a year, or more than 75 million gallons over the four years that the AESSEAL® system has been in use, resulting in cost savings of almost US$11,000 a year.

The success of this installation has led to the sale of a number of CDSA™/SW2™ systems, and has in turn opened the door for the sale of other AESSEAL® products, including T05™ Flygt kits and LabTectas.

'Saving 19 million gallons of water each year'

Industry:	Water & Waste
Product:	CDSA™ & SW2™
Application:	Sewage Pumps
Savings:	$11,000 each year
Water Savings:	>75 millions gallons (and counting)
Reference N.O:	TD3099991