



ENVIRONMENTAL TECHNOLOGY

## **AESSEAL's SW system solves water pressure problem**

AESSEAL® has enabled a US paper company to use the advantages provided by the SW Seal Water Management systems at a part of its facility where there was a problem with insufficient water pressure. At this place in the facility, seal water pressure was only 30-40 psi. Stuffing box pressure/Tank pressure needed to be at least 55 psi.

Not being able to run barrier pressure Plan 53A meant that the company was unable to take advantage of the significant benefits of the double seals. AESSEAL® was able to remedy the problem with the installation of its DCCS™ Seals, Easyclean-SW™ Tanks, and a Husky 1/2" AOD booster pump.

Using the Husky AODD booster pump meant that the company was able to boost the pressure of the seal water to 80psi with standard instrument air in the area. It was then able to set up a barrier system with tank pressure at 65psig which was enough to be above pump pressures.

One of the alternatives being considered by the company was a Goulds 3196 booster pump, but this would have had significantly higher project costs. AESSEAL's Husky 1/2" AODD pump costs less than \$500, boosts pressure with the standard instrument air in the area, and allows water to pass through if instrument air is dropped or cut. This ensures that the tank will never run out of water. It will revert to a buffer system but will still have water filling the system.

The benefits included reduced water usage, the elimination of coating going to the sewer when leaking, and improved reliability. In addition, a flow indicator gives warning of any water leakage, and possible process/coating dilution.

## **'Water pressure problems solved'**

Industry: Pulp & Paper  
Product: DCCS™ and Easyclean-SW™  
Reference N.O: CS0146



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