

# Application Success Story



Pulp & Paper • Pulp • Packing

## Measured Water Cost Savings with SpiralTrac™ and Chesterton 1830SSP™

### Challenge

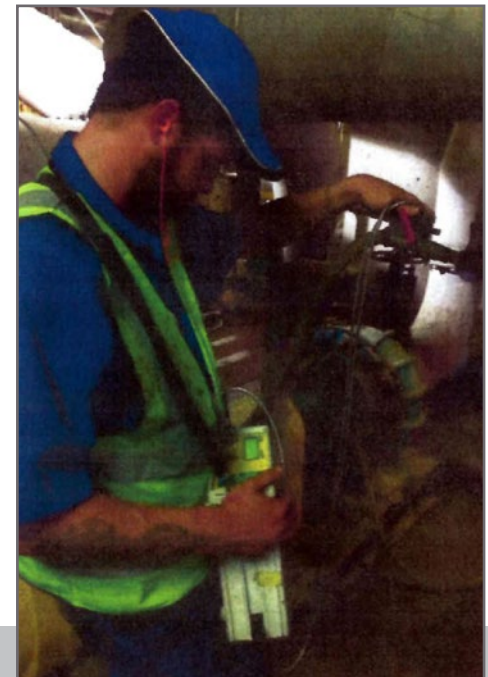
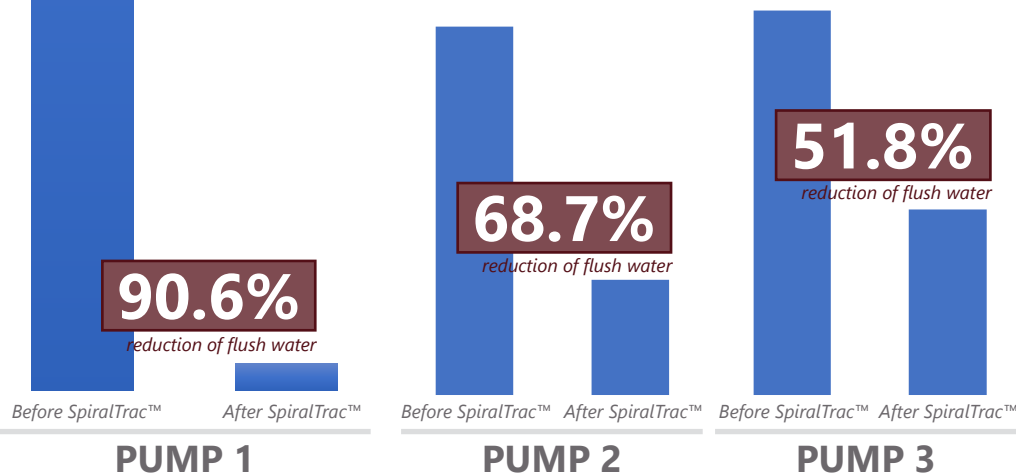
Customer was experiencing issues with three of their pumps. Excessive flush water usage resulted in high operating costs and the uncontrollable leakage was a housekeeping nightmare.

### Solution

Before mill shutdown, flow meter readings were measured on the three pumps in question. At shutdown the Specialist converted the 2L3 setup and installed a **Packing Version SpiralTrac™** with 3 rings of **Chesterton 18030SSP™** packing.



Flush water leakage all over the floor resulting hazardous operating conditions



Specialist conducting flow meter reading before and after SpiralTrac and Packing installation

## Flow Meter Reading Result

Customer raw water cost ~\$0.017 USD per 1000 L

- PUMP 1 Before: **73.02 l/m** after: **6.90 l/m (1.8 gal/m)**. That's 150 million L water and **\$2469 USD savings a year**.
- PUMP 2 Before: **24.18 l/m**, after: **7.57 l/m (2 gal/m)**. That's 8.7 million L water and **\$145.37 USD savings a year**.
- PUMP 3 Before: **21.63 l/m**, after: **10.43 l/m (2.75 gal/m)**. That's 5.8 million L water and **\$98.24 USD savings a year**.

Total flush water saved on these 3 pumps would fill around 65% of an Olympic sized pool, and the yearly savings add up to approximately **\$2712.61 dollars**. These numbers do not take into account the reduced packing usage, less frequent packing changes (if any) and considerably less operating costs. Customer felt ecstatic by these results and it opened up a lot more opportunities for business to the involved Distributor.

If this Success Story has peaked your interest and would like to know more, our technical support team can always be reached at [support@enviroseal.ca](mailto:support@enviroseal.ca).



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