

Health & Safety Improvements around Vertical Hydro Pulper with 442C and SpiralTrac



Pulp & Paper | Pulp | Mechanical Seal

Application Info & Challenge

- **Location:** Czech Republic
- **Equipment:** Vertical Valmet Bale Pulper (160mm)
- **Flush:** clean external flush, 3-4 l/min
- **Temperature:** 60-70 °C
- **RPM:** 498 and 998 between slow and fast cycles

Originally packed application. Newly installed packing started leaking water after 3 days and started excessively leaking water and product after **7 days!** Equipment was turned off only once a month during production shut down, so the leaking product kept accumulating on the floor. This leaked water and paper stock promoted algae growth, which made the floor extremely slippery, almost impossible to walk on. As a result, the equipment was very hard to access for any maintenance and inspection.

Main customer goal is to extend lifetime of sealing solution. Secondary goal is to increase health & safety, and lifetime of the bearings.

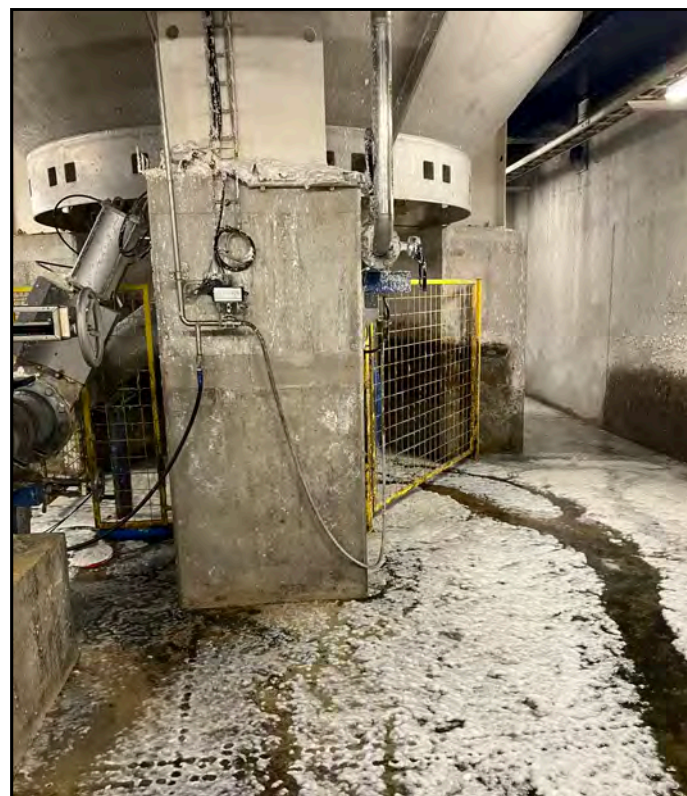
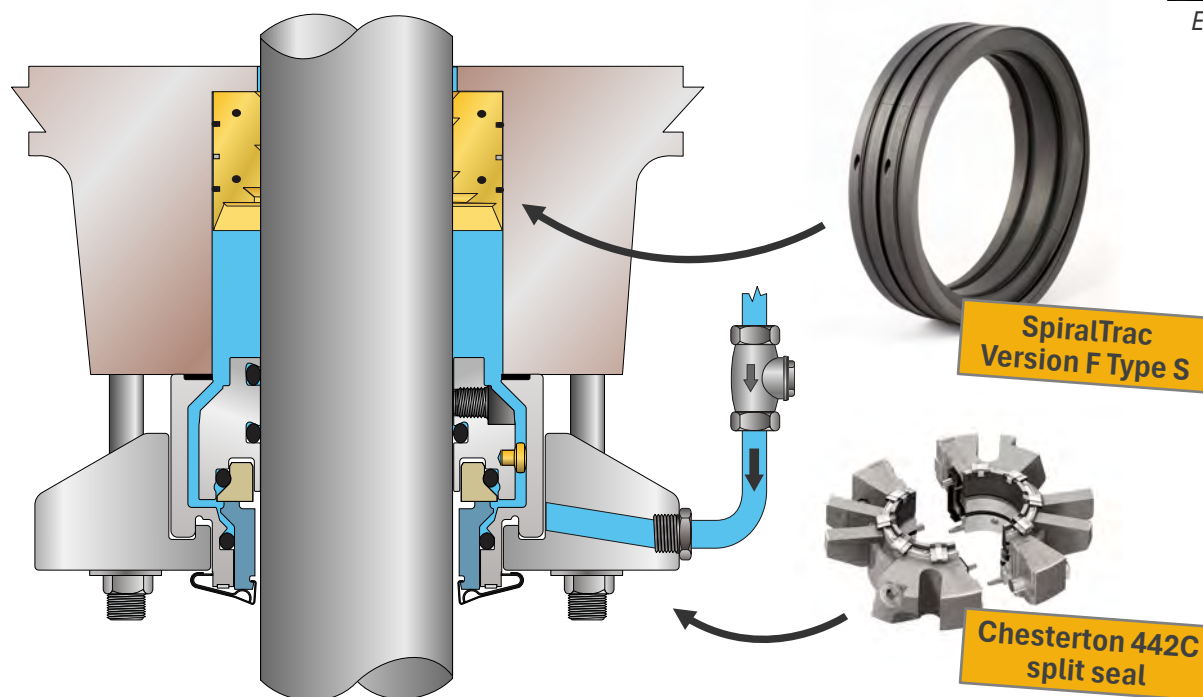
Solution & Result

- Chesterton 442C SA 160mm RSC/RSC S FKM
- **Split SpiralTrac Version F Type S** part# FM16000RS19000(ESC)
- Chesterton Connect™ Process Monitoring System

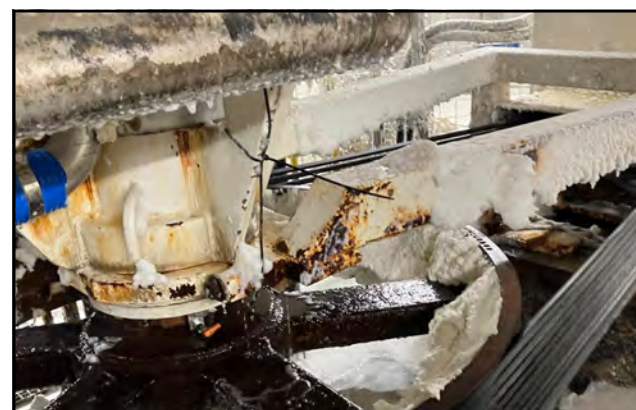
Since installation, the floor is dry (no more algae growth), not slippery, health and safety around equipment has **massively increased**, housekeeping costs lowered.

As of writing, the solution has been working with no issues for almost a year!

Customer has already converted a second pulper with the same solution, and plans are in place to convert a third pulper in the future.



Hazardous conditions caused by excessive leakage



Excessive product leakage after 7 days of repacking



Chesterton solution being installed

For more information please send an email to us at support@enviroseal.ca. We hope to hear from you!



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