

# A No Flush Solution with Chesterton 170 Slurry Seal and SpiralTrac™



Municipal | Sludge Recirculation | Mechanical Seal

## Application Info & Challenge

- **Warman 4/3 C-AH Process Pump**
- **Sludge Recirculation System**

A large waste water treatment facility was engaged in a “Sludge Augmentation Project” when they realized they had undersized their gland water system with insufficient flow. This system serviced two sludge recirculation pumps **sealed with mechanical packing**.

Instead of an expensive upgrade of the gland water system, the customer decided to look for alternatives to their current sealing method.



Chesterton 170 Slurry Single Cartridge Seal

## Solution & Result

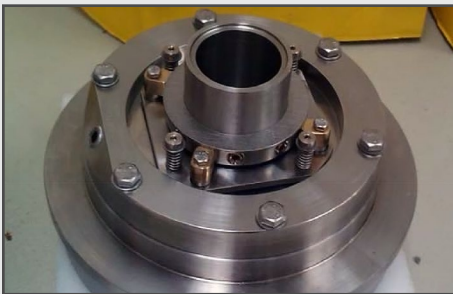
- Chesterton 170 Slurry Single Cassette Seal preassembled with **SpiralTrac™ Version N Type I**, made of 316 stainless steel

The sealing proposal involved **eliminating the need for flush entirely**. Chesterton’s slurry sealing capabilities delivered an innovative, cost-effective retrofit from packing to mechanical seals with the 170 and SpiralTrac.

The cost of the flush system retrofit was eliminated while a maintenance-free, leak-free, high-performance sealing upgrade was provided. After the successful installation and operation of the no flush solution, the Chesterton specialist has been invited to evaluate similar applications at site for flushless sealing solutions.



Version N SpiralTrac 316 material



170 and SpiralTrac preassembled package



No flush, no maintenance Chesterton Solution

For more information please send an email to us at [support@enviroseal.ca](mailto:support@enviroseal.ca). We hope to hear from you!

