

CASE STUDY

WASTE MANAGEMENT INDUSTRY

Equipment Monitoring and Mechanical Seals

Uncovered Flush Issues in Slurry Pump

Product Solutions: Chesterton Connect™ System, 155 Mechanical Seal, and SprialTrac® Technology



Challenge

A waste management plant runs a heavy-duty centrifugal pump to process its slurry. Despite installing a robust mechanical seal, the pump's reliability was not satisfactory. The seal failed.

A Chesterton distributor installed a SprialTrac® environmental controller to clean the seal chamber but the seal still failed.



Solution

The local Chesterton representative recommended a Chesterton Connect™ sensor, a retrofitted Chesterton® 155 Mechanical Cartridge Seal 45 mm size, and further protected by a SprialTrac active throat bushing.



Results

The Chesterton Connect Sensor was set to monitor the seal 24/7 and revealed during the night shift, when switching off between pumps, the operator often forgot to switch on the flush water/barrier water.

The staff was able to make corrections to the work schedule, increasing overall reliability. The pump is running successfully without failures.




Seal monitoring helped increase overall reliability

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