

# Split Seals Deliver Reliable Wastewater Pump Sealing for Three Years Running

## Challenge

### Background

The operator of a wastewater pumping station in Mexico acquired four new pumps to replace old equipment. Originally the pumps were supplied with OEM dual seals using Plan 53A. However, that setup failed during the on-site test due to poor installation and inefficient operation of the Plan 53A. The pump operator wanted to migrate to a solution intrinsically reliable, and free of monitoring and additional operating costs.



*Dirt around the pump shows failure of original OEM dual seal.*

## Solution

### Product

Chesterton analyzed the application and recommended the use of **Chesterton 442 Split Seals** with SSC/SSC faces and EP O-Rings. Used with **SpiralTrac™ Version D/Type A** throat bushing technology, the solution could use Plan 13 without any flush.



*Chesterton 442 Split Seal during pump operation.*

## Results

The **Chesterton 442 Split Seal** solution was installed on October 2015. As of July 2018 the pumps have been running leak free.

These pumps have become the primary duty pumps for the customer as they provide reliability without any kind of monitoring or additional operating tasks.



*Pump and leak-free area with 442 installed.*