

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

Wastewater
Chesterton 442 and SpiralTrac™
Case Study 036 Rotating Equipment

## Challenge

#### **Background**

The operator of a wastewater pumping station in Mexico acquired four new pumps to replace old equipment. Originally the pumps where 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.

### **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.

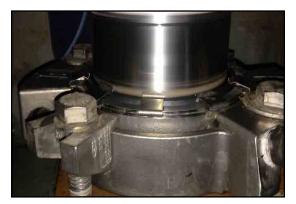
#### **Results**

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.



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



Chesterton 442 Split Seal during pump operation.



Pump and leak-free area with 442 installed.