

## Application Success Story:

Industry: **Municipal**  
Product: **Waste Water**  
Sealing Solution: **Mechanical Seal**



### Application Info

- Pump: 10 Fairbanks Morse pumps
- Model: K3X1-061514
- Shaft Size: 15.25" (387.35 mm)
- Product: Raw Sewage

### Problem

- Packed Pumps with damage to the sleeves
- A mess in the pump room due to excessive water loss and sewage leakage

### Solution

- **SpiralTrac** Version F Type S part # F115250RS17250(ESC)
- Chesterton 221-122 Split Seals - RSC vs. RSC Viton O-rings
- Chesterton SP50 Flowmeter

### Result

- Reduced water flush from 180GPH (681LPH) to 15GPH (56LPH)
- Approx. savings of 1.5 M gals/yr per pump
- Avg. 5 years running from first installation
- Eliminated shaft sleeve replacement-cost \$13,600/pump/year
- Eliminated bearing replacement- \$6,000/pump/year
- Eliminated packing cost-\$1,500/pump x 3 times a year min.
- **Cost savings per year just packing, bearings, sleeves=\$24,100 per pump x 10 pumps=\$240,100**

