

Application Success Story:

Industry: Fossil Power
 Product: River Water
 Sealing Solution: Packing



• Application Info

- Pump : DeLaval
- Model: W 54/48 Split Case Pump
- Shaft Size : 11.5000” (292.10 mm)
- Bore: 13.5000” (342.90 mm)
- Shaft Speed: 500RPM
- Service: Continuous
- Product: River Water for coolant
- Solids : 1%
- Temp: Ambient
- Stuffing Box Pressure: 25 psi (1.75 bar)



• Problem

- Uncontrollable stuffing box leakage and premature packing failure required the pump to be taken off line, which shut down the entire generating unit. The pumps required constant monitoring and several unscheduled gland adjustments prior to total failure within twelve months of installation. Scheduled plant maintenance requires a 2 year MTBR.
- Plant officials report over \$750,000 production loss per occurrence.

• Solution

- SuperSet Mechanical Packing Sealing Systems, each consisting of one **SpiralTrac™** Version P and four rings of Chesterton 1730 mechanical packing.

• Result

- Two pumps were fitted with the these Super Sets.
- Present runtime has well exceeded 16 month at a controlled drip rate.

