

## Application Success Story:

Industry: **Bauxite**  
 Product: **Hydrate**  
 Sealing Solution: **Packing**

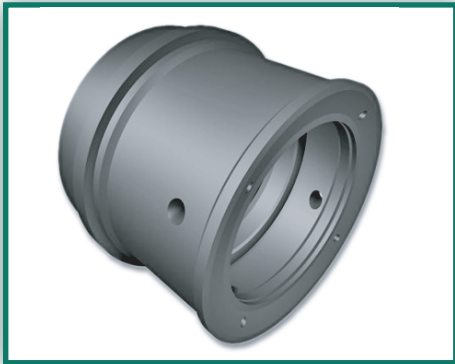


### • Application Info

- Pump : Double ended BW
- Model : 8x8
- Application: Hydrate pump
- Shaft Speed: 1800 RPM
- Product: 60% Hydrate / Caustic
- Solids : 36%
- Temp: 80C (176F)

### • Problem

- The expected packing life was 3 weeks with a flush rate of 2 LPM (.5 GPM) per gland.
- Flush water cost of \$4,204.00 over four months
- Packing, materials and labour costs over four month period totaled up to \$3117.00



### • Solution

- SpiralTrac™ Version P Type S
- Chesterton 1400R Packing
- Dole Valve

### • Result

- After SpiralTrac Version P, the 1400R packing and the Dole Valve were installed, the packing life expectancy went up to 4 months with a flush rate of 1 LPM (.25 LPM) per gland.
- Flush water costs were reduced by 50% to \$2,102.00 for four months
- Packing, materials and labour cost for four months came to \$1,931.00
- **Total cost savings of \$3,288.00 over four months and because the SpiralTrac does not have to be replaced with the packing the cost savings increase to \$10,107.00 over 8 months !!!!!**

