

## Application Success Story:

Industry: **Brewing**

Product: **Diatomaceous Earth Slurry**

Sealing Solution: **Mechanical Seal**

### • Application Info

- Goulds 3196 STX
- Previous sealing solution: Type I Single Bellows Seal
- Product: Diatomaceous Earth Slurry used for filtration in pressure filters
- Solids: 5% - 7%
- Temp: 38°C / 100°F
- Flush: 1-2 GPM / 3.75 - 7.5 LPM

### • Problem

- Seals were failing every 4-6 weeks
- The pump had to be removed from service and the entire power end had to come off the pump each time in order to repair the seal.
- This repair cost \$300 per seal change, adding up to \$3,000 over fifteen months

### • Solution

- SpiralTrac™ Version N Type I in 316SS installed with a Chesterton GSS-11 SA,TC/TC/EP mechanical seal
- Cost to install \$968.15

### • Result

- This pump is now running totally flushless
- Even with the flush eliminated, the seal has run for 15+ months without failure amounting to a savings of over \$2,031.85 !!!!

