

Gland Water

Improve performance and save a fortune!

Potable water shortage and its ever rising costs are forcing the mines to look for alternative water resources. Mines and concentrators are using between 2 & 7MLD at a cost of up to R15million/annum. Energy losses due to poor gland water management are a result of wearing glands and mechanical seals, heat generation and seal leakages. This intake of potable water further imposes a challenge to mines experiencing a positive water balance, which necessitates the disposal of the excess of water to the environment.

To perform well, gland water must be free of:

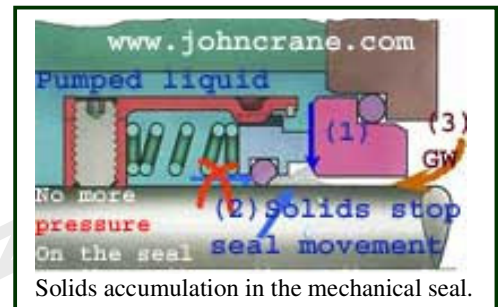
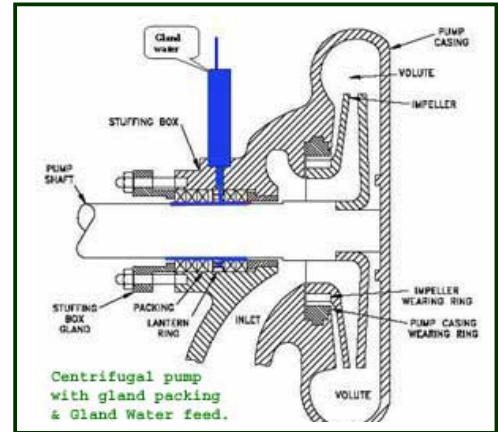
- Suspended solids from the water supply.
- Suspended solids from scale formation at the seal moving parts.
- Iron <1ppm (Iron ion will oxidize into rust precipitate.)
- Suspended solids dislodged from scale in the delivery pipe or corroded pipes. Corrosion may be a result of chemical attack or corrosive water, or biolife such as iron & Sulphur reducing bacteria.

WESU offers an ecofriendly water treatment without hazardous chemicals that will save the potable water, utilize effluent and mine water instead, and perform a better service than that of potable water, with a payback period of less than 12 months.

The WESU's partial electrolysis system produces the scale and automatically removes it out of the water. Integrated with multimedia filters it removes suspended solids from the water, scale potential and dissolved iron, using water sourced from sewage, process or, mine water, with better results than presently experienced when using potable water.

Annual cost savings in 300m³/hr GW supply:

Potable water savings	\$ 1,391,000	R10, 152, 000
Chemicals savings	\$ 82,000	R 600, 000
Maintenance savings	\$ 288,000	R 2, 100, 000
Labour savings	\$ 74,000	R 540, 000
Total annual savings	\$ 1,855,000	R13, 392, 000



- **Do you want to save potable water?**
- **Do you want to improve your equipment availability record?**
- **Do you want to save maintenance costs?**
- **If yes, our technology equips you to achieve your objectives.**
- **Gland water treatment is our speciality.**
- **Call us now! We would be glad to partner with you, and give you a peace of mind! +27-833778353**