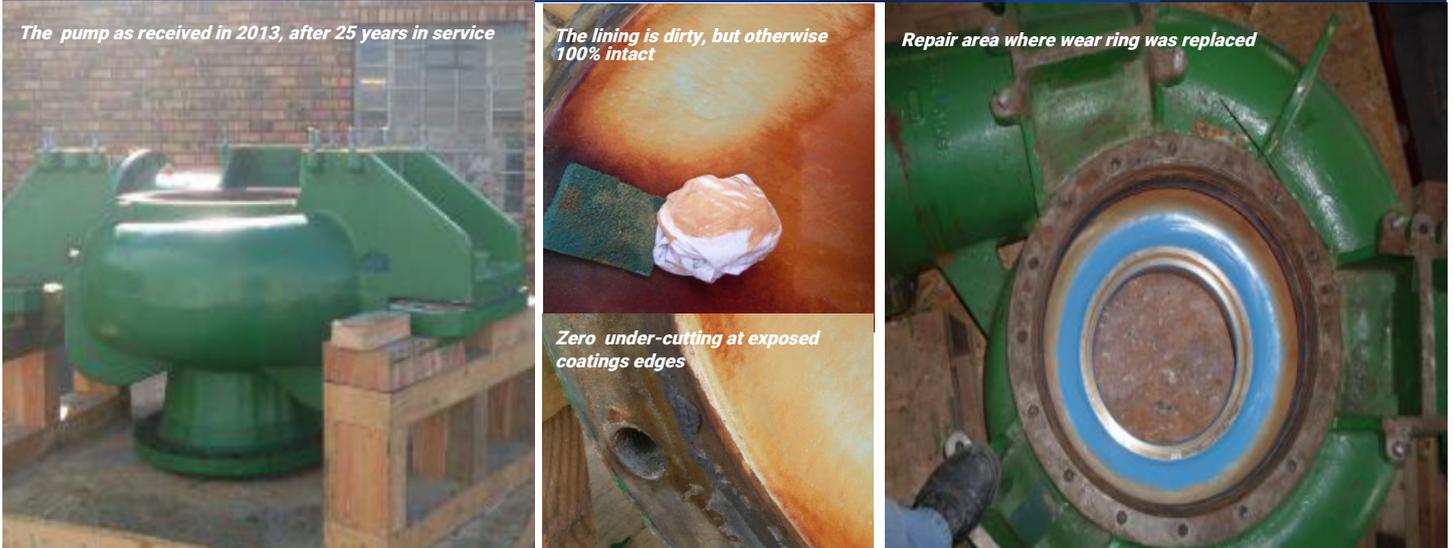


# CORROCOAT



## Case study: Corroglass 600 Series for Pump Repair

### Seawater Pump Lining still in perfect condition following 35 years in service

#### Client

Nuclear Power Station, South Africa.

#### Application date

- First application – 1988.
- Maintenance review – 2013.
- In service – 2023.

#### Scope of work

- Complete internal relining of the pump in 1988.
- Coating of the stuffing box with Corroglass to +5mm DFT, to allow for machining down to tolerance.

#### Products

Corroglass 600 Series.

#### Substrate

Cast Iron.

#### Coating credentials

These seawater cooling pumps form an integral part of the SEC cooling system of the nuclear plant. The client removes the back plate during refuel outages for statutory inspection of the wear rings. If the wear rings need replacement, Corrocoat reseal the interface between the wear rings and volute.

During the service life of continual internal seawater exposure, with hypochlorite dosing and high flow rate, the coating has shown no deterioration, and zero under-cutting, even at the exposed coating edge at the flanges and threaded sockets.

Based on the performance of Corrocoat products over many years, the plant obtained engineering approval to replace the OEM rubber lining in the main seawater cooling system heat exchanger water boxes, as well as to relining the larger CRF seawater pumps, using Corrocoat coating materials. Corrocoat has been maintaining these linings since 1988.