



Rössing Uranium Limited experienced operational problems with their tailings dam pumping system and also suffered an incident of this system. The Client approached Burmeister & Partners to address this problem.

KREEPY STANDBY LINE

Design and installation of a slurry line to operate during times when the existing line is being maintained. The pump set recycles plant spillages to a cyclone where this solution is separated. The pump line from pumps to the cyclone is approximately 130m long with eight long radius bends. The slurry pumped is of an abrasive and corrosive nature. Main aim of project is to increase plant availability.

TAILINGS DAM PUMPING SYSTEM

Rössing

PROJECT STATS

Value KREEPY: NAD 9.2 million
USD 0.57 million (ROE 16.24)
DISPOSAL: NAD 4 million
USD 0.53million (ROE 16.24)

Location Erongo Region, Namibia

Client Rössing Uranium Limited

Start 2004

Finish 2006



SLIMES DISPOSAL SYSTEM

Replacement of rubber lined steel pipe that transfer slimes from CIX and SX plants to an intermediate sump for further disposal.

Rubber lined pipe was badly holed and it also did not conform to Rössing piping standards and had to be replaced with GRP pipe. The solution being pumped contains sulphuric acid and traces of solvent.



SERVICES

- Project Management
- Feasibility study
- Maintenance improvements
- Surveying of existing slurry line
- Concept & detail design and cost estimate
- Management of change documentation
- Procurement
- Supervision
- Risk management

Project Management

Structural

Mechanical

Electrical