

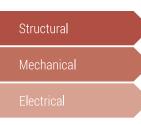


# TAILINGS DAM PUMPING SYSTEM Rössing

## PROJECT STATS

Value	KREEPY: NAD 9.2 million				
		USD	0.57	million	(ROE
16.24)					
DISPOSAL: NAD 4 million					
		USD	0.53	million	(ROE
16.24)					
Location Erongo Region, Namibia					
Client	Rössing Uranium Limited				
Start	2004				









BURMEISTER & PARTNERS (PTY) LTD CONSULTING ENGINEERS HYDRO - BUSINESS

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.

## 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 Rossing piping standards and had to be replace with GRP pipe. The solution being pumped contains sulphuric acid and traces of

#### 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