



CROWN / ERGO



Washed gold bearing slurry from old re-worked slimes dams was needed to be piped 52 km to processing plants. The piping system included 2 pump stations with 10 pumps in series.

500 DN steel pipe required to handle 1260 m³/hour with a density of 1.43 kg/m³ at a velocity of 1.9 m/s and a maximum pressure of 28 bar.

HDPE was selected as the preferred liner material with a 17 mm wall thickness. The liner was to be inserted into the steel pipe using the trenchless Sure-line technology. This allowed the lining process to be completed faster than conventional lining process and the reduction in the number of required flanges and stubs saved money.

The 52 km pipe length is the longest pipeline in the world where the Sure-Line system has been used.

Facts & Statistics

Client : DRD Gold

Location : Gauteng
South Africa

Date : 2011