



The Project Manager for Bulghah Project Mr. Wayne Pegrum of Hatch Associates Pty Ltd, Consulting Engineers for the project says:

“For Bulghah Project the required flow and pressure rating of the solution piping systems were such that we required steel in lieu of polyethylene piping.

Combined with this was the high chloride content of the raw water.

For long term integrity of the piping systems (i.e. concern with corrosion), we were seeking piping with suitable protective coating both internal and external. We investigated various options and eventually selected the Alvenius thermo-plastic coated piping as the best option for the project”.

Alvenius TP-pipes for leaching plant at gold mine in Saudi Arabia

Every year the Mining Industry world wide spends large amounts of money to fight corrosion.

To avoid costly corrosion in the piping systems at the new heap leaching plant at Saudi Company for Precious Metals Bulghah gold mine in Saudi Arabia, Alvenius TP-pipes were found to be the best and most economical solution.





Alvenius pipes in dimensions 89–406 mm (3"–16") and a full range of Alvenius pipe fittings and specials, all thermo-plastic coated internally and externally, were required for this project. Quick couplings were used for fast and cost effective installation.

Project facts:

Gold heap leaching process.

Design pressure	16 bar
Design temperature	0 - 50 deg. C
Media	Barren, Intermediate and Pregnant Solution



Company facts:

Since the 1950's the Alvenius quick coupling pipe system has been mainly used in the mining and construction industries for transporting various media under pressure.

In recent years Alvenius has developed new methods for protecting pipe systems from corrosion.

The steel pipes and pipe fittings are coated internally and externally with thermo-plastic. Using this method the strength of steel is combined with the corrosion resistance of plastic.

The pipe system can be used in widely different fields such as:

- Potable and waste water pipes
- Fire hydrant installations
- Process water pipes
- Pipes for highly corrosive media in chemical mineral extraction.



ALVENIUS®



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