



Pexgol pipe installation for the transport of cyanide water.

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Equinox Gold
Mexico | 2022

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Working Conditions:

Fluid: Neutralized Solution pH 10-12 - cyanide water
Flow: 1000m³/hr
Suction level: 1352 m³/hr
Discharge level: 1431/1432 m³/hr

Pexgol Pipe:

Pexgol 400 mm (16"), class 10 & 15

Application:

Transport of cyanide water

Length:

1475 m / 4839 ft

The Challenge

Equinox Gold, a Canadian mining company dedicated to gold extraction in different countries, required for its "Los Filos" mining unit to pump from the ADR plant a neutralized solution (cyaninated water) for evaporation through sprinklers.

Previously, steel and HDPE pipes were used for this type of application. The steel suffered from corrosion problems and the HDPE from crystallization, which generated problems in the thermofusions.

Pexgol Solution

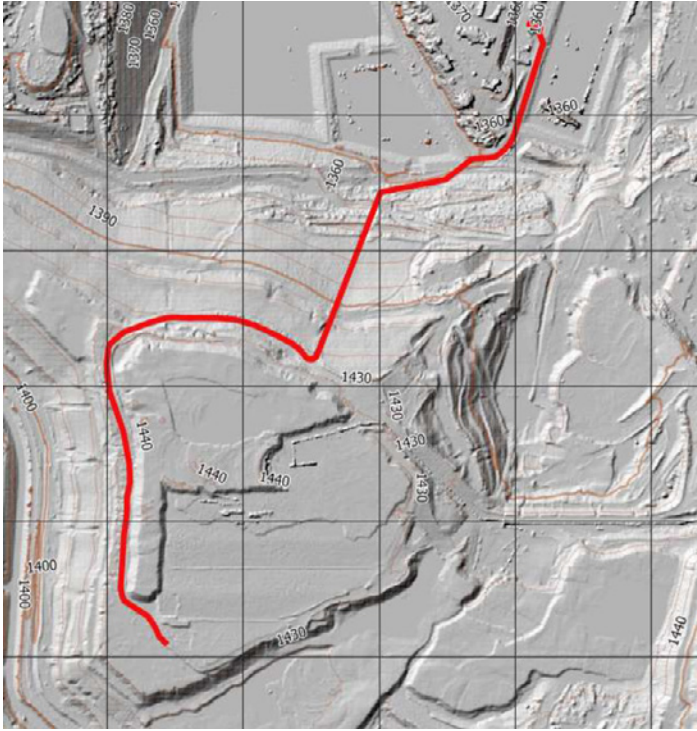
It was decided to use Pexgol in sections of 12 meters with electrofusion connections. This way, possible corrosion problems were avoided and the costs of the project were reduced.

The installation was carried out by the same personnel working at the mine with training from the Pexgol technical team.

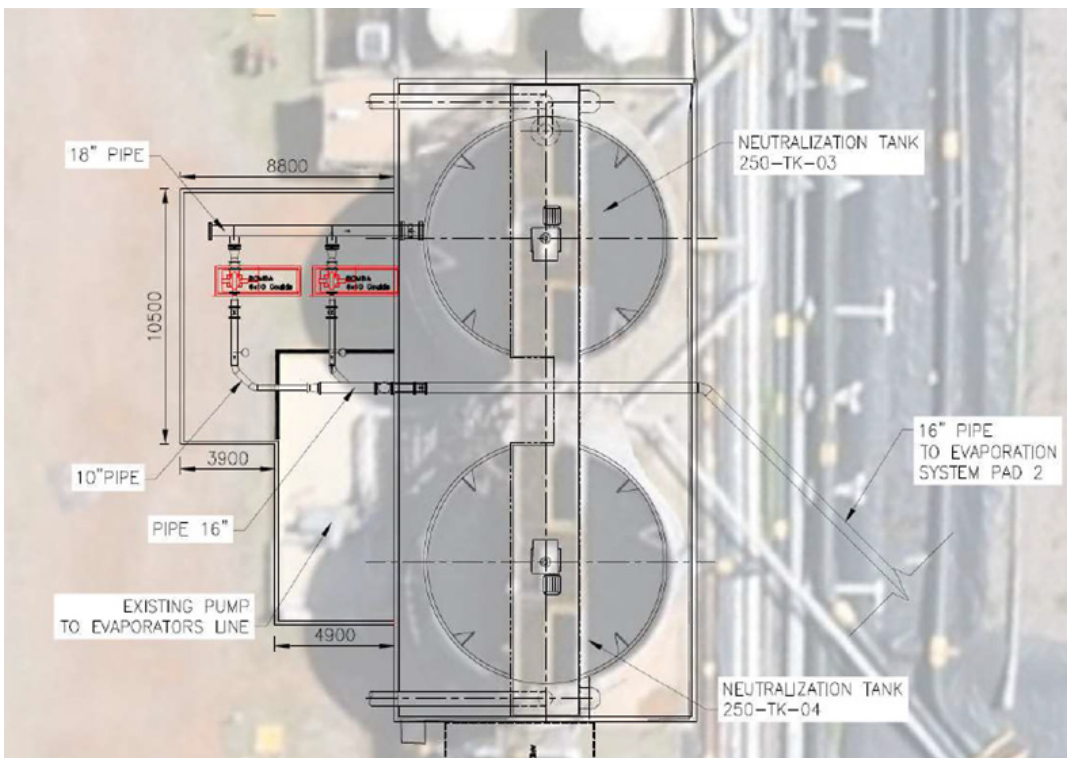


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Path:



Pumping Station:



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Advantages

High resistance to wear:

Pexgol is the preferred solution for abrasive materials transportation. Typically resists three times more than HDPE and twice more than steel.

Excellent chemical and corrosion resistance:

Pexgol pipes can resist a wide range of chemical agents, slurries, toxic and radioactive materials.

High temperature resistance:

Working temperatures can range from -50°C/-58°F up to 110°C/230°F.

Superb internal and external corrosion resistance:

Our pipes are proven to withstand decades of exposure to corrosive environments, with nonstop performance in some of the world's harshest environments.

- **Long pipe sections:**

Pexgol pipes can be supplied in long coil lengths, reducing number of joints, installation time and risks.

- **Creep and impact resistance:**

Crosslinked Pexgol pipes can withstand high amounts of axial and radial stresses and are highly resistant to impact, fracture and fatigue. Furthermore, Pexgol pipes are completely resistant to cracks even when dragged over sharp rocky terrain and coagulated salt crystals.

