



Grey water transportation ~~for recycling~~

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**Coeur Mexicana S.A.
de C.V. Palmarejo**
Mexico | 2017
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Working conditions:

74 psi, altitude difference= 74 m,
Au= 0.12 ppm, Ag= ppm,
Cu= 1.13 ppm, Fe= ppm,
Cn total= 1.5 ppm, Ca= 458 mg/dL,
Ph= 8

Pipes used:

Pexgol SDR 15 225 x 20.4

Application:

Water transportation

Length:

1200 meters

The Challenge

Coeur Mexicana required to transport recovered water, but they wanted to conduct an installation in the minimum time possible that won't require contractors, specialized personnel neither expensive equipment.

The Solution

The client decided to install Pexgol, due to its quick and easy installation, that if it was carried out with steel or HDPE pipes, it would require 100 joints. But, since it was done with Pexgol pipes it only took 4 joints. Furthermore, it was considered the security that Pexgol pipes offer, since it's supplied in long length coils, which reduces leakages.

Pexgol's team advised the client during the whole process from design to the installation.



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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's pipes can be supplied in long lengths coils, reducing number of joints, installation time and risks.
- **Creep and impact resistance:**
Pexgol's crosslinking piping solution can withstand high amounts of axial and radial stresses and are highly resistant to impact, fracture and fatigue. Also are completely resistant to cracks even when dragged over sharp rocky terrain and coagulated salt crystals.

