



Pexgol pipe installation for the transport of water with solids (feathers, bones, viscera, etc.)

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Kofanor
Mexico | 2022
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Working Conditions:

Fluid: process water with solids (feathers, bones, viscera, etc.)
Temperature: 26°C / 78°F
Gravity transport

Pexgol Pipe:

Pexgol 6", class 11

Application:

Transport of process water with solids

Length:

160 m / 524 ft

The Challenge

Kofanor, a Mexican industrial company dedicated to the transformation of meat waste into flour and oil through a thermal process, resulting in a protein ingredient for the manufacture of animal feed.

Kofanor was looking to install an underground line to transport process water from a manhole to a sump. Two options were contemplated for this project, carbon steel or stainless steel pipes, however the first one was not an option due to the corrosion that they present over time, and stainless steel resulted in a very high operating cost.

Pexgol Solution

It was decided to use Pexgol due to the great facility to carry out the installation, where no joint or sand bed was required for the 140 meters of route where the pipe would be buried. Pexgol was cheaper compared to carbon steel and stainless steel.

Likewise, no special equipment was required to carry out the installation, since the plant had a backhoe and forklift with which they were able to uncoil the pipe without any problem.



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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.

