



## LASTA2 filter press feed lines

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**BHP Billiton,**  
**Olympic Dam, Australia**  
**Australia | 2014**  
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### **Working conditions:**

60°C, 9 bars

### **Pipes used:**

Pexgol 180, Class 15 / Pex-Lined  
Carbon Steel (PLCS) fittings

### **Application:**

Copper transportation

### **Length:**

Short sections

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### **The Challenge**

BHP used to transport concentrated copper, through a 6" rubber lined carbon steel (RLCS) and HDPE pipes that suffer from constant abrasion and corrosion.

From the maintenance point of view, repeating leaks were consuming too much time from the team, which could be allocated attending scheduled maintenance operations. So, they required a more resisting pipe material.

### **The Solution**

Short sections of Pexgol pipe 180 mm, Class 15 with Pex-Lined Carbon Steel (PLCS) fittings were provided. The line installation took a day to layout and a day to assemble. The quick and secured flanged couplers allowed the team to work effectively in multiple locations of the line, without depending on a welding machine, or coordinating special safety zones. The line showed no leakage at start up.



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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 non-stop performance in some of the world's harshest environments.
- **Low weight:**  
Compared to steel or rubber, Pexgol's solution results in reduced transportation, storage and labor costs due to lower weight per meter.
- **Long pipe sections:**  
Pexgol's pipes can be supplied in long lengths coils, reducing number of joints, installation time and risk.
- **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. Our pipes are also completely resistant to cracks – even when dragged over sharp rocky terrain and coagulated salt crystals.

