WATER PORTABILITY KEY FOR BHP'S NEWEST AND BIGGEST IRON ORE MINE SITE

Client Profile

BHP, a leading global resources company, joins South Flank and Mining Area C to form the largest operation iron ore hub in the world that can annually produce 145 million tons of iron ore.

The Problem

BHP's joint operation required high-grade industrial process tanks that can withstand the harsh mine site conditions. The industrial process tanks must be portable to move around the mine site as the mining operations progresses.

The Solution

Coercos' experienced team of engineers created twelve (12) portable water storage tanks and wastewater storage solutions. Coerco divided the tanks into three groups: potable water tanks, fire water tanks and wastewater tanks. The fire water tanks can hold 9,000 litres of water and can pump 0.82 litres of water per second, the potable water tanks have a 10,500-litre capacity and can pump 1.72 litres of water per second, while the wastewater tanks can store – litres of wastewater.

Each tank was skid-mounted and bolted onto a platform with an access ladder. The tanks were also fitted with flanges and outlets to suit the pumps used by BHP and were custom-built to support the staff working within the pit facilities.

Summary

Location
Pilbara, Australia

Client
BHP South Flank

BHP

Products Used
Industrial Process Tanks

"The high-grade industrial process tanks can withstand the harsh mine site conditions and 3D-modelled under "D" cyclone conditions.