

De-aeration Tank

Project: Internal Lining of de-aeration tank

Category: Tanks

Completion

Date: October 2001

System: Rhino Linings PP95 Polyurea

Job Description

Lihir Gold Mine is located on Lihir Island in the Pacific Ocean, 900kms North of Papua New Guinea's capital Port Moresby. Rhino Linings completed the supply and fit of Rhino Linings PP95 to various structures.

Shown is the de-aeration tank, 8m diameter, 11m high, with inlet and outlet pipes of 1,200mm diameter. The inlet has a flow of 4-5m per second with slurry of 40 microns, operating at 50-60°C with a low pH. of 1.6.

The tank is coated 3mm dry film thickness (DFT) with thickening on a 5 x 5m impact zone opposite the inlet pipe and the key joint on the outlet. The wall repairs and preparation were completed off scaffolding, with the floor and lower wall being completed via access from a man cage.

Extensive product testing was carried out to provide the client with the confidence that Rhino Linings PP95 and the Rhino Linings application system was the best for the job.

