

Antamina tailings dam in Peru

The Antamina dam is 4,200 metres above sea level and is designed for tailings containment during the mining operation.

The Antamina is located 4,200 metres above sea level in the Andes Mountains, 270km northeast of Lima. This site is one of the largest copper-zinc-molybdenum mines in the world, and has an important source of income for Peru.

The large scale mining operation has social, economic and environmental considerations that requires careful management. Golder Associates has been involved from the beginning of the project and have an ongoing role as the Engineer of Record for the design and construction of the tailings dam which will have an ultimate height of over 240 metres. It will be one of the highest embankment walls in the world with impressive ancillary structures: A water supply dam, three 3.5-m horseshoe section drill and blast tunnels, three concrete tunnel plugs and two side-hill decant structures.



Beside the technical concerns, long term environmental concerns are a significant consideration in these projects. **Teranap TP** has been chosen as the most reliable waterproofing option, for the structures which will **safely store tailings, mining waste and manage onsite water**.

For more details on Teranap visit: www.teranap.com.au