MANAGING OUR IMPACTS RESPONSIBLY

TAILINGS MANAGEMENT BY PT FREEPORT INDONESIA









The process of removing a mineral resource (ore) from the ground. This can be done by above ground, underground or solution extraction methods. Before we extract the ore, we must first remove the Overburden. This is all the soil, natural material and rock that sit above the mineral deposit.

Tailings Management System is the safest option for Grasberg



MILLING ▶

The ore containing copper and gold is sent to the milling and concentrating site, where it is crushed and ground to the size of fine sand through the Milling process and mixed with water to produce a slurry.



CONCENTRATING ▶

The copper and gold-bearing minerals are then concentrated through the Flotation Concentration Process, during which air is blown through the mixture and precious minerals float to the top. The copper is removed with a skimmer. The remaining particles that settle at the bottom are called Tallinos.



ORE CONCENTRATE

The copper and gold concentrate is transported directly to the Amamapare Port near the Arafura Sea, where it is dried and prepared for shipment to customers.

TAILINGS

Tailings are the finely ground natural rock particles, or by-products, that remain after economically valuable minerals have been processed and extracted. They are managed to be geochemically benign, helping to ensure safety for the environment. Tailings are safely transported down the Modified Ajkwa Deposition Area (ModADA) via the Aghawagon Riiver using our Controlled Riverine Tailings Management System.

CONTROLLED RIVERINE TAILINGS MANAGEMENT SYSTEM

