

Environmental Management



The process of separating ore create concentrate and residual sand called tailings. Tailings are discharged into a lowland and coastal area, called the Modified Ajkwa Deposition Area (ModADA). Part of a riverbank that is engineered and managed for tailings deposition and control. This management system is the best according to the geotechnical, topographical, climatic, seismic and water quality conditions in our work area.

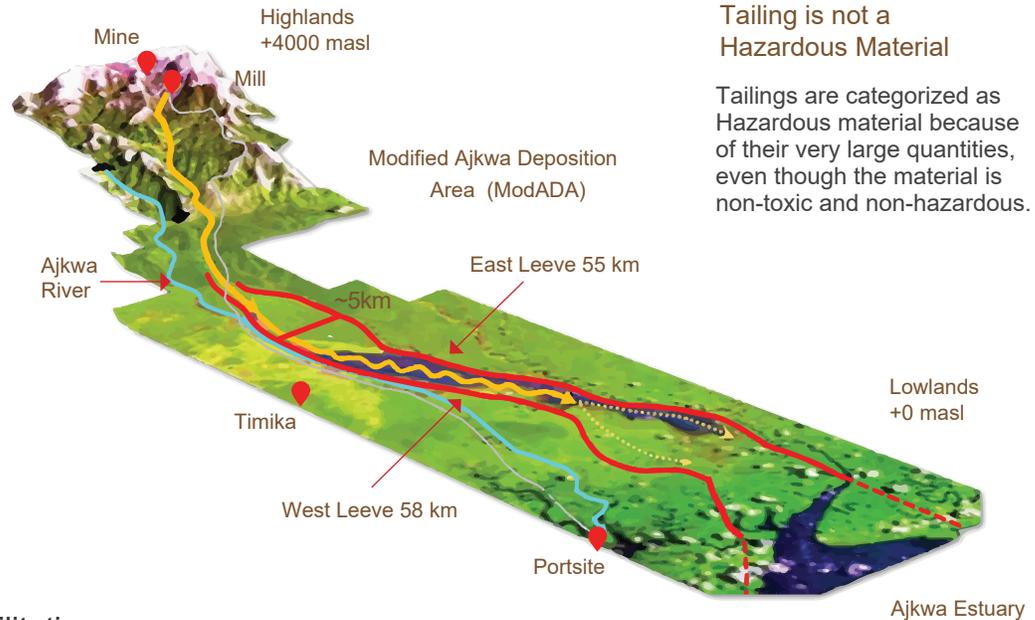
Tailing Management

The volume of dry tailings produced throughout 2024

72.9
million metric ton

75.1%

Sedimen has accumulated in ModADA 1997 - 2024



Tailing is not a Hazardous Material

Tailings are categorized as Hazardous material because of their very large quantities, even though the material is non-toxic and non-hazardous.

Reclamation and Rehabilitation

6,811,075
Tree seedlings planted inside the company area since 1992

2,954
Hectare 2024 reclamation achievements

572
Hectare overburden area reclaimed

992
Species plants growing naturally since 2005

3,054,800
Mangrove trees planted in Ajkwa estuary since 2005

1,160
Hectare tailing sedimentation reclaimed since 1999

1,222
Hectare coastal area reclaimed since 2004

164
Types of plant grow

Environmental Monitoring

1,500
sampling locations

17,737
sampels

249,653
individual analyses

US\$ 154 million
environmental management and monitoring costs

Tailing Utilization

Tailings have been used to build infrastructure such as roads, bridges and buildings. In 2021 the Ministry of Public Works and Public Housing (PUPR) has used tailings for the construction of national road in Merauke.

1,495,288 ton
Tailings used for Big Gossan Underground Mine

214,736 ton
Tailings used as materials for civil construction

181,866 ton
Used for internal PTFI

32,870 ton
Used by Timika resident and sent to other region in Papua

PT Freeport Indonesia is committed to reduce Greenhouse Gas (GHG)

30% GHG target reduction in 2030
29% GHG reduction in 2023 compare to 2018
2.55 million ton GHG production in 2023