

Tailings Energy Storage Power Station





Overview

What is a Tailings Storage Facility (TSF)?

Introduction Tailings storage facilities (TSFs) are engineered structures that comprise the confining embankments (commonly referred to as tailings dams) and associated works and are designed to contain tailings (residue following extraction of valuable material from metal ore processing) and to manage associated water.

How do you manage a tailings facility?

Stream management. Tailings facilities are typically off-stream storage areas; it is preferred to separate the storage area from storm water runoff. As with water storage dams, rainfall and runoff estimates should be completed as part of the water balance and minimum decant storage required.

How big is a tailings storage facility?

30 Technical Note 7: Tailings Storage Facilities The original TSF was designed to have a total height of 87 meters and storage capacity of 12 cubic milli - meters. The TSF had a total height of 86 meters and stored 11.7 cubic millimeters of tailings at the time of failure. Monitoring.

Who reviews a tailings storage facility?

Some owners appoint an independent review board (IRB) to review design, construction, and operation of a TSF. The IRB may report more frequently during design and annually when in operation. Components of Tailings Storage Facilities There are many types and components of TSFs that depend on the method of containment, disposal, and closure.



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Abstract In order to solve the problem of huge electricity demand in the tailings ecological restoration process, according to the natural conditions of the tailings area, combined with the ...

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