



JULY 2025

PRINCESS CREEK TAILINGS
STORAGE FACILITY (TSF)

DETAILS OF TAILINGS STORAGE FACILITY

Tailings Storage Facility (TSF) Name	Princess Creek
Operation	Mt Lyell
Operational Status	Care and Maintenance
Operating region	Australia
Location	Tasmania
Latitude, Longitude	-42.0959°, 145.5082°
Ore Source	Copper, underground mining
Type of Storage Facility	Constructed in the downstream direction with an engineered earth embankment
Deposition Methodology	Single discharge spigots
Year of Commissioning	1996
Consequence Classification (GISTM, 2020)	High
Operating Contractor	Internal team with appropriate level of experience
Engineer of Record (EoR)	GHD
Current Maximum Height (m)	50m
Final Maximum Height (m)	75m
Deposition rate (tons/month)	Nil
Life of TSF (year)	N/A



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TECHNICAL ASPECTS:

Adopted Factor of Safety (FoS)	Australian National Committee on Large Dams (ANCOLD) (July 2019)
Stability Assessment and Mitigation Measures (if applicable)	Stability assessments undertaken annually by GHD
Dam Breach Assessment	ATC Williams, 2020
Area of Inundation	Limited to the West Coast Wilderness Tourist Railway line, along the Queen River approximately 4 km downstream of the dam, and a road-bridge located approximately 700 m further downstream of the railway bridge.
Summary of Human Exposure	Minor

DOCUMENTATION:

OMS Manual	Updated November 2023
Dam Safety Review (DSR)	ATC Williams, 2021
Design Basis Report (DBR)	Not applicable
Environmental Management Programme (EMPr)	Environmental management plan is in place with ongoing monitoring

SURVEILLANCE

Surveillance Frequency

Daily, weekly, monthly as specified in the OMS

Surveillance Technology

Pore pressure monitoring via vibrating wire piezometers

Phreatic Surface Levels & Pore Pressure Measurements

Pore pressure monitoring via vibrating wire piezometers

RISK MANAGEMENT / EMERGENCY PREPAREDNESS:

Risk Assessment

Failure Mode Analysis

Risk Management

Site specific OMS

Site Specific Emergency Preparedness & Response Plans (EPRP)

Site Emergency Management Plan is in place

CLOSURE & POST CLOSURE

Closure Planning

Currently in care and maintenance. A water cover has been provided to prevent oxidization of the tailings as per the permit conditions

Closure Costing

AUD \$3,124,175 (2021)

Asset Insurance Cover

In place

INDEPENDENT REVIEWS

Senior Technical Independent Reviewer

ATC Williams to be appointed

Performance Reviews

GHD



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Figure 1: Layout of Princess Creek TSF



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