

DETAILS OF TAILINGS STORAGE FACILITY

Tailings Storage Facility (TSF) Name Kloof TSF 2

Operation Kloof

Operational Status Dormant since December 2022

Operating Segment RSA - Gold

Location Near Westonaria, southwest of Johannesburg - please refer

to Figure 1

Latitude, Longitude (decimals) -26.4434417, 27.5908444

Ore Source Underground

Type of Storage Facility Impoundment (upstream development)

Deposition Methodology Day-Wall Paddock

Year of Commissioning 1960

Consequence Classification (GISTM, 2020) High

Operating Contractor Stefanutti Stocks Inland (SSI)

Engineer of Record (EoR) Knight Piesold (Pty) Ltd

Current Maximum Height (m) 60

Final Maximum Height (m) 60

Total Volume Already Deposited (Mm³) 41.8

Life of TSF (year) N/A















TECHNICAL ASPECTS:

Design Criteria GISTM and best practice guidelines including Australian

> National Committee on Large Dams (ANCOLD) (Guidelines on Tailings Dams, July 2019). Site specific design criteria were specified by the EoR. Details are

included in the Design Basis Report (DBR).

Stability Assessment and Mitigation A detailed stability assessment based on piezocone probing was conducted in 2022. (KP Reference: RI301-Measures

00726/22-A Rev A, 23 June 2023)

All the FoS are above the recommended limits and thus

no mitigation measures were required.

Dam Breach Assessment Assessment completed in 2022

(KP Reference: RI301-00726/22 Rev A, 23 June 2023)

Area of Inundation Has been identified by EoRs – please refer to Figures 2 to 7

Summary of Human Exposure Consequence classification has been based on

Population at Risk (PAR). Communities have been identified and are being engaged through various means

including Community Engagement Forums (CEF)

DOCUMENTATION:

Version 2022 available Site Specific OMS Manual

> Mandatory Code of Practice (MCOP) Document No: RI301-00726/08 is in place (dated September 2022)

Version 2022 available Design Basis Report (DBR)

(KP Reference: RI301-00726/28-A Rev 0, 9 December 2022)

Environmental Management System The Environmental Management System is ISO accredited (ISO 14001:2015)

The initial Environmental Management Programme (EMPr)

is dated 2011.















Surveillance:

Surveillance Frequency

Daily by the Operator and monthly reports of critical controls submitted to and reviewed by the EoR

Surveillance Technology/System K2Fly Decipher

Deformation Monitoring Interferometric Synthetic Aperture Radar (InSAR)

Phreatic Surface Levels & Pore Pressure Standpipe piezometers

Measurements AquaSense Retrofit piezometers (IoT device)

Vibrating Wire Piezometers (VWP's) to be installed in 2023

RISK MANAGEMENT / EMERGENCY PREPAREDNESS:

Risk Assessment (Bowtie) completed with no

untoward risk identified

Risk Management Site specific OMS Manual in place

Site specific Trigger Action Response Plans (TARPs) in place

Critical controls established and implemented

Site Specific Emergency Preparedness &

Response Plans (EPRP)

Version 2023 available

Annual emergency mock drill for a catastrophic TSF failure – undertaken on 15 June 2023 with SSW employees and

contractors.

CLOSURE & POST CLOSURE

Closure Planning In place - report prepared by Golder Associates (Golder Reference: 20360027-341339-2, April 2021)

Closure Costing Adequate financial capacity in place

Financials prepared by Golder Associates

(Golder Reference: 20447293-349383-5, December 2021)

Asset Insurance Cover In place – July 2023 to June 2024















Independent Reviews:

Independent Tailings Review Board (ITRB) 25 August 2021 with no material concerns identified

Future ITRB Review 2025

Performance Reviews Annual and quarterly reports with inspections completed

by EoF

(KP Reference: RI301-00726/28 Rev 0, 3 April 2023)

Dam Safety Review (DSR) Carried out by an independent third party in 2019/2020

with no material findings

(KP Reference: 301-00840/02-004 Rev 1, February 2020)

Next review scheduled for 2025















Figure 1: Layout of Kloof TSF 2

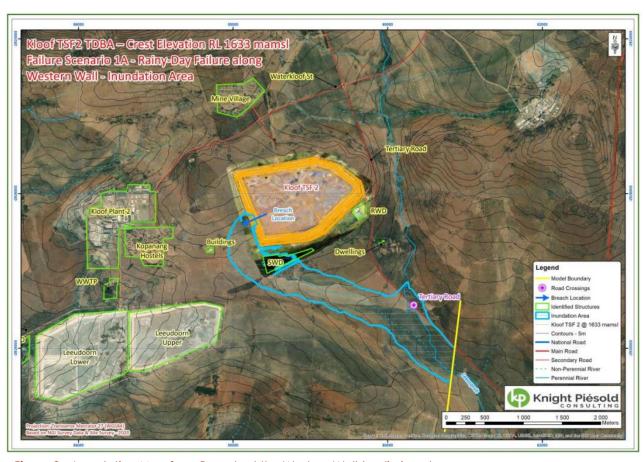


Figure 2: : Inundation Map for a Breach at the Western Wall (preliminary)













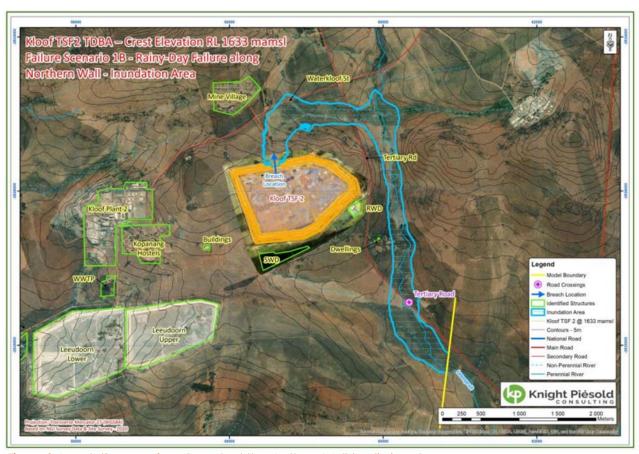


Figure 3: Inundation Map for a Breach at the Northern Wall (preliminary)



Figure 4: Inundation Map for a Breach at the South-Eastern Wall (preliminary)













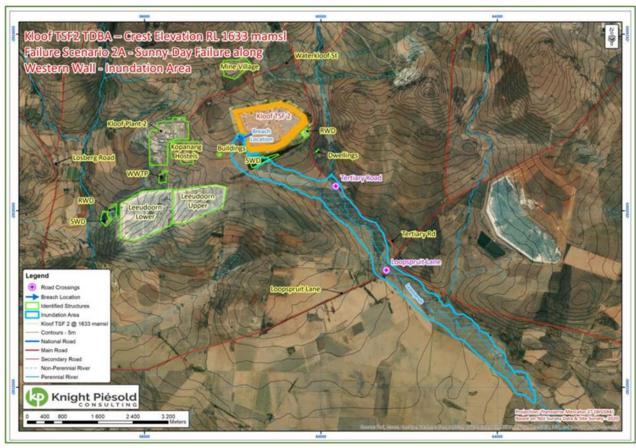


Figure 5: Inundation Map for a Breach at the Western Wall (preliminary)

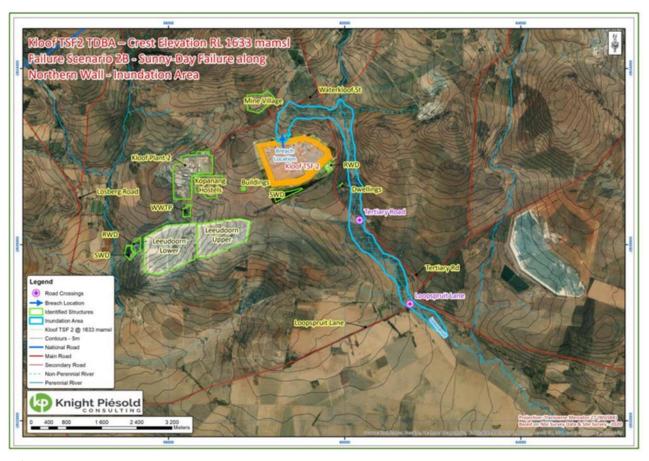


Figure 6: Inundation Map for a Breach at the Northern Wall (preliminary)















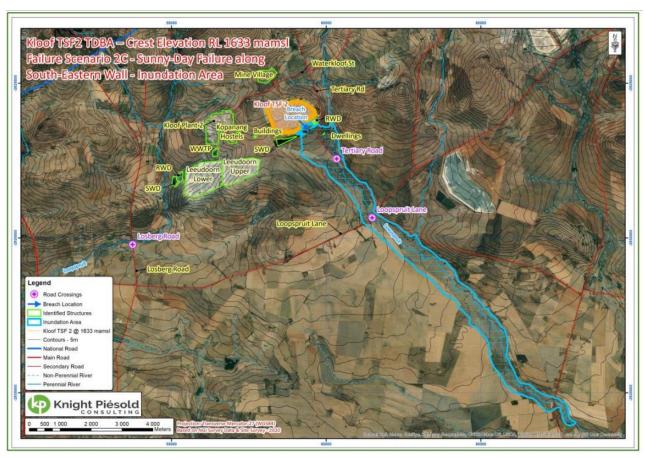


Figure 7: Inundation Map for a Breach at the South-Eastern Wall (preliminary)













