

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

Stability Assessment and Mitigation Measures

Dam Breach Assessment

Area of Inundation

Summary of Human Exposure

DOCUMENTATION:

Site Specific OMS Manual

Design Basis Report (DBR)

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).

A detailed stability assessment based on piezocone probing and laboratory testing was conducted in 2024. (KP Reference: SSAND301-00726/89 – A Rev A, 28 March 2025)

The assessment confirmed that all Factors of Safety (FoS) for drained conditions exceed the recommended minimum thresholds. While the undrained peak FoS values across some sections are below the threshold. Discussions are ongoing with the Engineers of Record (EoR) to further evaluate and address this matter

Assessment completed in 2022 (KP Reference: RI301-00726/22 Rev A, 23 June 2023)

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

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). An appointed external specialist has conducted vulnerability assessments for communities located within the Area of Inundation

Version 2025 available

Mandatory Code of Practice (MCOP) Document No: KP RI301-00726/63 is in place (dated March 2025)

Version 2025 available

(KP Reference: RI301-00726/63 Rev 2, 1 March 2025)















Environmental Management System

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

Surveillance: Surveillance Frequency The initial Environmental Management Programme (EMPr)

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

Surveillance Technology/System

Quartex

Deformation Monitoring

Interferometric Synthetic Aperture Radar (InSAR)

Phreatic Surface Levels & Pore Pressure Measurements

Standpipe piezometers

RISK MANAGEMENT / **EMERGENCY PREPAREDNESS:**

Risk Assessment

Annual Risk Assessment (Failure Mode Effect Analysis) completed with no untoward risk identified

Risk Management

Site specific OMS Manual in place Site specific Trigger Action Response Plans (TARPs) in place Critical and operational 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. No mock drill was carried out in 2024

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 2024 to June 2025 (renewal process has commenced)



Independent Reviews:

Independent Tailings Review Board (ITRB)

25 August 2021 with no material concerns identified

Future ITRB Review

Currently underway

Performance Reviews

Annual and quarterly reports with inspections completed

ov EoF

(KP Reference: SAND301-00726/89 - A Rev A, 28 March

2025)

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 is currently underway















Figure 1: Layout of Kloof TSF 2



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













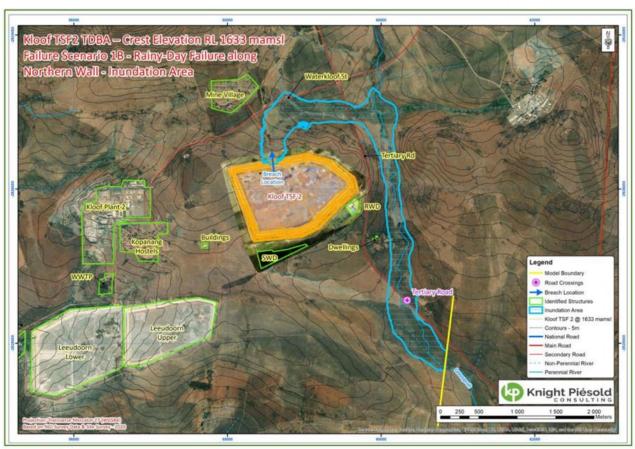


Figure 3: Inundation Map for a Breach at the Northern Wall (preliminary)

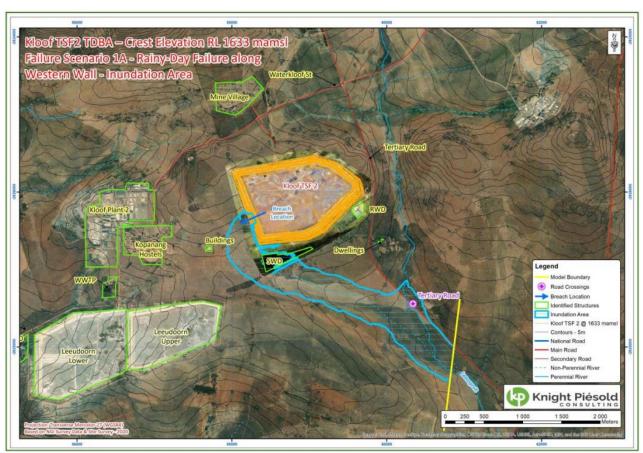


Figure 4: Inundation Map for a Breach at the South-Eastern Wall (preliminary)













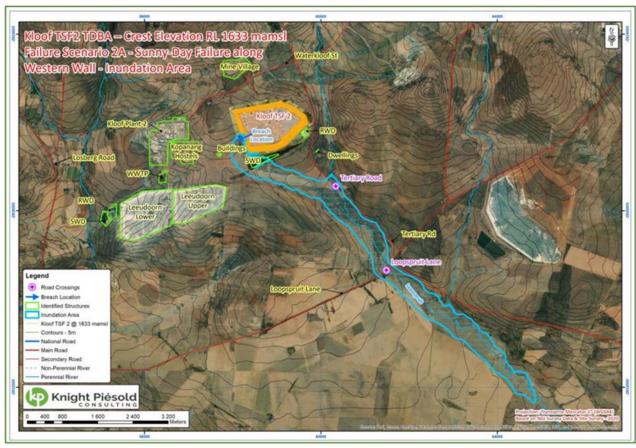


Figure 5: Inundation Map for a Breach at the Western Wall (preliminary)

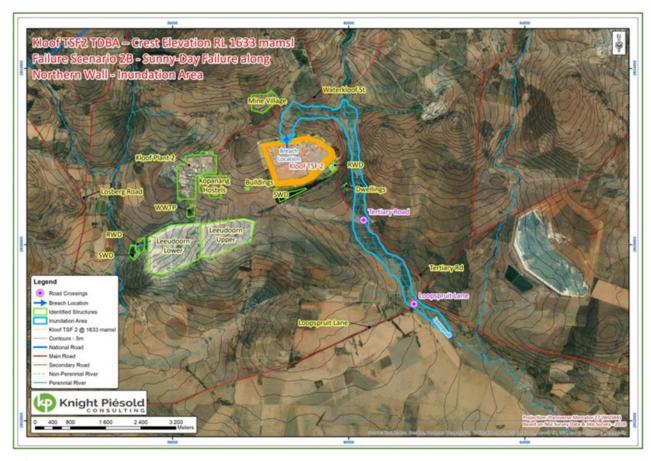


Figure 6: Inundation Map for a Breach at the Northern Wall (preliminary)

















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











