Reducing our environmental footprint continued

MINERAL WASTE MANAGEMENT

Implats' tailings storage facilities are technically sound and well managed and the Group remains resolute in its goal to achieve full conformance to the Global Industry Standard on Tailings Management (GISTM).

Highlights

- Alignment of tailings management practices at Impala Bafokeng with Group standards based on the GISTM underway
- Annual independent tailings review board audits of the Group's tailings storage facilities (TSFs) continue to show no significant areas of concern
- Phase 1 of the project to extend the Zimplats SMC TSF, which commenced in 2022, is progressing well. The extension is in line with GISTM and initial tailings deposition started in March 2024
- Re-mining of tailings at Impala Rustenburg's dormant TSFs continues to support local employment.

Lowlights/challenges

- A penstock failure at Zimplats SMC TSF in August 2023 was resolved without major risk to TSF stability
- Stakeholder engagements beyond our property boundary in line with GISTM alignment were deferred to 2025 due to cash preservation.

Performance against key indicators

- **Major or significant environmental incidents involving TSFs:** 0 (2023: 0)
- **On track to achieve GISTM conformance at all managed operations except Impala Bafokeng and Impala Canada by June 2025.**

Our Group tailings management practices are aligned with the GISTM. A Group tailings management policy is in place, as is a Group-wide minimum standard aligned to the GISTM, which applies to all existing and future tailings facilities.

Implats has 13 TSFs at Group-managed operations, of which 10 are active. Our three inactive TSFs are at Impala Rustenburg, Impala Canada and Marula.

Implats' TSFs are all upstream, raised, hydraulic-deposition, ring-dyke structures.

Operation	TSF	Status	Raise type	Deposition type
Impala Rustenburg	TD1+TD2	Remining	–	–
	TD3+TD4	Active	Upstream	Spigot day wall
Impala Bafokeng	Maseve	Active	Upstream	Cycloning
	BRPM	Active	Upstream	Spigot
	BRPM extension	Active	Upstream	Spigot
Marula	TD1	Dormant	Upstream	–
	TD2	Active	Upstream	Spigot day wall
Zimplats	SMC	Active	Upstream	Spigot day wall
	SMC extension	Active	Upstream	Spigot day wall
	Ngezi	Active	Upstream	Spigot day wall
Canada	ETMF (East Tailings Management Facility)	Active	Downstream (Rockfill prior to 2021), Upstream (Rockfill after 2021)	Spigot
	STMF (South Tailings Management Facility)	Active	Downstream (Rockfill prior to 2020), Upstream (Rockfill after 2020)	Spigot
	WTMF (West Tailings Management Facility)	Dormant	Downstream (Rockfill)	–

Upstream tailings dams are built progressively 'upstream' of the starter dam, by incorporating tailings materials into the dam for support through the controlled deposition, or spigotting of tailings. Upstream tailings dams have been built for over a hundred years and are best suited for arid climates and aseismic regions like southern Africa. Surface water is drained from the Implats TSFs through central decant structures and it drains in and under the tailings mass. The drained water is then recycled back to the operations for use within the milling and concentration unit operations.

All Group tailings facilities are technically sound and well managed. Fraser Alexander continues to manage the day-to-day operation of our tailings dams in southern Africa. In addition to our own controls to oversee the operator, independent consultants, SRK, provide oversight and undertake design audits. An independent tailings review board (ITRB) is in place, which reviews the Group's tailings facilities annually.

The primary integrity risk for our upstream tailings facilities is an excess accumulation of surface water on the TSF basin, which could cause dam overtopping and potentially cause erosion of the TSF side slopes, resulting in an uncontrolled release of the wet tailings. As such, the potential impacts of climate change must be considered in our tailings management practices, tailings management reviews and in the design of new facilities. Our dams are designed with reinforcements in place to cater for extreme weather events and are operated and monitored according to standardised operating procedures, within the required safety stability factor.

Reducing our environmental footprint continued

In 2024, we worked to fully align the tailings management practices and standards at Impala Bafokeng with those of the Implats Group. The operation underwent an inaugural ITRB audit and a gap analysis against GISTM conformance. A roadmap was developed to close any observed gaps. In line with our reporting in 2023, our GISTM-related focus at our other southern African operations was on stakeholder engagement, specifically those stakeholders within our property boundaries who would be affected by a tailings breach. We conducted workshops on emergency preparedness and are putting in place comprehensive procedures for safe evacuation. These GISTM-conformant procedures will be further developed in 2025 and used as a basis for engaging stakeholders beyond our property boundary, including communities and external emergency services (police, hospitals and municipalities), to ensure sufficient awareness of action plans in the unlikely event of an emergency. Zimplats' communities already participate in mock drills on the correct response to an emergency event involving tailings, including evacuations.

We remain resolute in our goal to achieve full conformance to the GISTM for Impala Rustenburg, Marula and Zimplats and by June 2025. Though Impala Canada continues to progress work, 100% conformance will not be met by June 2025. The roadmap developed for Impala Bafokeng estimates full GISTM conformance by December 2026.

	GISTM topics where operation has achieved full conformance (%)	GISTM topics where operation has achieved partial conformance (%)	GISTM topics where operation is non-conformant (%)
Impala Rustenburg	85	15	—
Marula	87	13	—
Zimplats	99	1	—
Impala Canada	58	25	17*

* *Some requirements are non-applicable to Impala Canada and have been categorised as non-conformant.*

The Group's focus for 2025 and beyond is to complete our broader stakeholder engagements, roll out a tailings management system to the operations and achieve GISTM conformance at all managed operations, except Impala Bafokeng and Impala Canada, by June 2025.

Towards next-generation tailings management

In October 2023, the Southern African Institute for Mining and Metallurgy (SAIMM) presented a 'Next-Generation Tailings' conference, which provided an opportunity for peer learnings, networking and strategic thinking around the future of tailings in the mining industry. Led by the SAIMM tailings conference organising committee chairperson and Implats Metallurgical Executive, Adelle Coetzee, the conference was held in Johannesburg and attended by delegates from around the globe. Presentations and discussions at the conference covered a range of topics relevant to the future of TSFs, and included theoretical papers and practical examples from leading industry practitioners. Implats was well represented during the conference, underlining the Group's commitment to safe TSF management. Simone Maharaj, our Group Geotechnical Tailings Engineer, was part of the panel discussion on implementing the GISTM. She also delivered a presentation on tailings dam failures and the associated industry learnings. It was a proud moment for Implats when the chief responsible investment officer (CRIO) for the Church of England Pensions Board, was introduced to give investors insights into tailings management. He delivered an insightful overview of tailings management at the Impala Rustenburg TSF and observed that the facility was a well-managed upstream raised tailings dam and proof that such dams can be constructed and operated safely. Implats will continue to collaborate with industry peers to ensure safe design, construction and operation of tailings dams.

Other notable developments at our operations

In 2023, we reported on-site reviews for a new TSF at Impala Canada. Due to declining price environment and permitting challenges, focus pivoted from advancing a greenfields TSF to looking at alternative brownfield solutions. In Zimbabwe, the project to extend the Zimplats SMC TSF, which commenced in 2022, was completed in line with the GISTM.

Re-mining the dormant TSF at Impala Rustenburg

Implats aims to reprocess mineral waste streams (where feasible) to extract PGMs, alter the post-mining landscape and deliver circular economy value. At Impala Rustenburg, tailings re-mining at the dormant TSF continues to ensure host-community employment.

The re-mining project has created 55 permanent jobs, mainly for host community members. About 10 000 tonnes are re-mined daily and the facility uses a closed circuit water system, using only reclaimed water, ensuring no environmental pollution or potable water use.

The re-mining project is assisted by Fraser Alexander and is anticipated to continue for another 12 years. The progressive removal of the tailings facility and the concurrent land rehabilitation process, with further community involvement, will make up to 82ha of land available, reduce dust pollution and reduce mine closure liabilities.

Implats Tailings Dams

Reducing our environmental footprint continued

Showcasing our excellence in tailings management

Vale Brazil's visit to our TSFs

Implats' TSF management team had the honour of hosting Vale Brazil, a global leader in the mining industry, who came to learn from our industry-leading practices and standards. The visit was a testament to our commitment to excellence and innovation in TSF management.

Delegates from Impala and Vale visiting Impala Rustenburg's active TSF (TD4)

Demonstrating best practice in deposition and hydro mining

The visit commenced with a comprehensive tour of Tailings Dam 4, our TSF where deposition is actively taking place. This facility exemplifies our dedication to safety, efficiency and environmental stewardship. The discussions around deposition practices and facility monitoring principles highlighted the advanced techniques we employ to ensure the stability and sustainability of our TSF operations. Our team also guided Vale Brazil's team through our hydro-mining site at Tailings Dam 1 and 2, which are at the heart of our mining activities, showcasing our expertise in resource extraction and site management. It was rewarding to demonstrate how our innovative methods and meticulous processes set us apart in the industry.

Leading by example in TSF management

The primary objective of Vale Brazil's visit was to observe and learn from Implats' exemplary TSF management practices. We engaged in detailed discussions about the roles and responsibilities that drive our operations, emphasising our adherence to the GISTM. Our conversations covered a range of topics, from advanced monitoring technologies to proactive risk management strategies. By sharing our best practices, we provided Vale with valuable insights into how we achieve and maintain the highest levels of safety and operational integrity in TSF management.

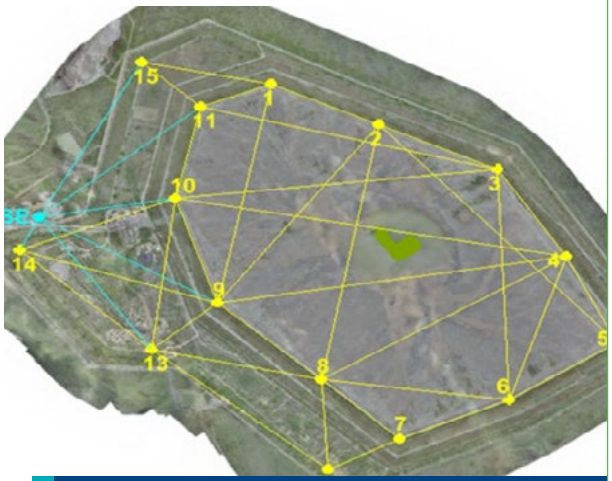
Strengthening industry collaboration

This visit underscored the importance of collaboration and knowledge sharing to advance industry standards. The respect and curiosity demonstrated by Vale Brazil's team fostered a spirit of partnership and mutual growth. We identified numerous opportunities for continued collaboration, aiming to push the boundaries of innovation and excellence in TSF management.

The Impala and Vale team members sharing TSF management best-practice

Technology and innovation

In November 2023, Impala Rustenburg installed a live monitoring system comprising of 15 solar powered GPS units fitted to infield monitoring beacons at our TD4. The system records real-time movements and notifies responsible personnel of any movements that are outside set tolerances for the TSF, ensuring early detection of conditions that can cause tailings collapse. This active monitoring tool is considered best practice in tailings management and can detect movements less than 10mm relative to the base. We will continue to adopt technology to improve the safe operation of our TSFs.



Rendering showing the locations of self-monitoring survey beacons at Impala Rustenburg's active TSF, TD4