



An independent review of the Dundee Precious Metals Tsumeb tailings storage facility. The review provides a point-in-time assessment of the facility and equips the client with the following:

- Identification and assessment of key risks pertaining to tailings storage facility; and strategic or high-level recommendations on how to manage any risks that are considered higher than desirable.

Scope of works:

- Gap analysis of previous audit finding actions close-out.
- Site visit.
- Assess adequacy and efficacy of scheduled inspection.
- Visual assessment of stability .
- Review tonnage measurements.
- Review of current operational practices.
- Review of seepage control management.
- Review Tailings Management Plan.
- Review Tailings Emergency Response plan during a dam failure.

TAILINGS STORAGE FACILITY REVIEW

Dundee Precious Metals Tsumeb

PROJECT STATS

Value	N/A - Study
Location	Tsumeb, Namibia
Client	Dundee Precious Metals Tsumeb
Start	09/2019
Finish	03/2020



SERVICES

Project management
Reporting
Investigations

- Review the management structure for the tailings/water facilities and determine if there are sufficient resources available for adequate management of the facilities.
- Have discussions with key people regarding their understanding of their roles.
- Determine that the facilities are in compliance with current permits and regulations, including environmental controls and discharge limits.
- Review the level of design and construction supervision and determine its adequacy for the type of structure.
- Review inspection/monitoring reports for the dam and associated structures.
- Review adequacy of operations, maintenance and monitoring manuals and records including emergency preparedness manual. Determine if there are adequate trigger levels and response plans to abnormal observations.
- Review incident logs and change management records.
- Review risks registers for all facilities, including Strategic Technical Risk Reviews.
- Determine if appropriate risk mitigations have been initiated.
- Inspect tailings and water dams, tailings delivery and water recovery systems to assess current conditions and identify current or potential short comings, safety hazards or potential improvements.
- Review closure plans.

Project Management

Civil