

ENGINEER OF RECORD

Our approach

The EoR is a key role in tailings management with an overarching responsibility for the design, construction and operation of a TSF. We believe an effective EoR can reduce the risks throughout the life of a TSF by decreasing the likelihood and consequences of failure through risk informed management as outlined in the GISTM.

We adopt a holistic approach to our EoR services, considering the mine operations beyond the TSF, such as processing, mining and site wide water management. We engage directly with stakeholders to focus on important aspects such as regulatory approvals and environmental protection. We work with our clients under a one-team, partnership approach, to achieve the most effective outcomes from the EoR role.

We typically undertake a Safety Review as the first scope item for any site we are engaged as EoR. We carry out the Safety Review in accordance with ANCOLD, CDA or other applicable guidelines. As part of the Safety Review, we complete a risk assessment, critical controls assessment and compliance assessment to identify gaps that could influence the facility risk profile together with ways of improving the identified deficiencies.

Services

Our core EoR team, focussing on dams and tailings engineering and geology, is supported by our network of trusted partners providing hydrology, hydrogeology, geochemistry, mechanical, drafting and GIS services. Our integrated team delivers the full suite of EoR services that may be required.

We provide ongoing EoR operational support for mine operations, including:

- TSF performance monitoring and reporting.
- Technical operational advice and training.
- Facility storage planning and capacity monitoring.
- Development of management documentation such as operating manuals, tailings management plans, trigger action and response plans and emergency plans.
- Preparation of internal and regulatory reporting such as Annual Operational Reviews and mines department audits.

Our experience

We have a proven track record of providing EoR services for multiple TSFs across different jurisdictions:

- Above ground, cross valley TSF for Rio Tinto in the Pilbara region of Western Australia.
- In-pit TSF for Rio Tinto in the Pilbara region of Western Australia.
- Closed TSF with major cross valley dam and permanent water cover for Rio Tinto in Indonesia.

Contact us

Partner with HATS for Engineer of Record services for your tailings storage facility.

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