

McPhillamys Gold Project



Project Update

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McPhillamys tailings storage facility

Building a safe and secure tailings storage facility is one of the top priorities for the McPhillamys Project.

Tailings are a mix of water and fine particles of rock, which are discharged from the processing plant into a structure called a tailings storage facility (TSF).

The right location

The first step in constructing a secure TSF is getting the right location.

The McPhillamys TSF will be in a valley in the northern

part of our site where it will be shielded from most local viewpoints. This site also has the least impact on native vegetation, meaning less disturbance for trees, plants and animals.

Most important of all, the site has been chosen for its geology. The ground under the TSF has low to very low groundwater permeability. And extra clay will be added to that base to ensure a minimum clay thickness across the whole TSF floor.

That's an important safety feature of the structure because it reduces any risk of fluids leaving the site and entering the downstream Belubula catchment.

Safe and stable

The other standout feature of the McPhillamys TSF is its design, which meets the

highest standards required by the NSW Dams Safety Act. It will be constructed using the downstream method—which is the most robust TSF design.

The facility will be built in stages using a version of this very stable construction method (see diagram, right).

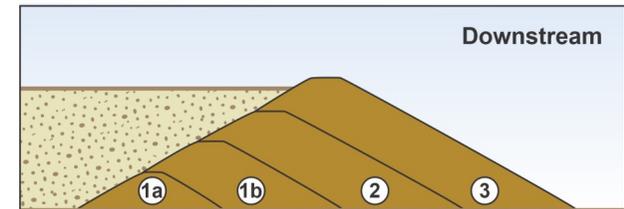
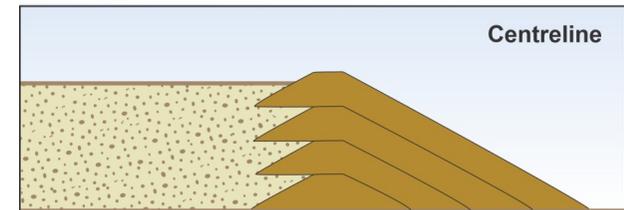
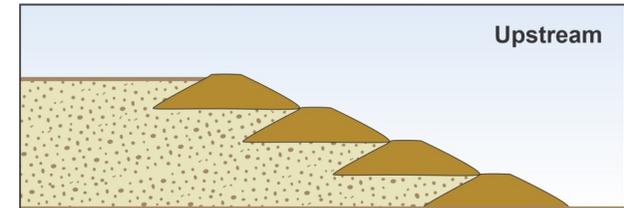
Constant monitoring

Once mining starts, the TSF will be constantly monitored and inspected, especially after any major rainfall or weather events. As with all aspects of the project, safety is the top priority.

If you have questions about the TSF or any other aspect of the project, please get in touch (contacts below).

Regards,
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Below: Construction methods for tailings storage facilities include upstream, downstream and centreline.



The McPhillamys tailings storage facility will use the very robust, downstream construction method.