

Seqwater Dam Improvement Program

Lake Kurwongbah e-update



21 December 18

Latest news

The upgrade project at Sideling Creek Dam is making good progress.

The project will close for the Festive Season and work will recommence in the New Year.

Construction progress

Main embankment

Construction of the weighting berm along the main embankment is in full swing. Layers of sand, gravel and rock are now being delivered to site in large trucks and placed in the excavated area alongside the main wall. To date, 24,000 tonnes of rock, 2,500 tonnes of gravel, 3,700 tonnes of sand and 11,000 tonnes of clay have been used to act as a filter and provide additional strength for the dam wall.



Image: Main embankment safety upgrade work

Spillway

The major upgrade work on the spillway has progressed, with all the required 165 anchors now installed and grouted into the rock foundation. These anchors will provide additional strength during major rain events. Concrete work to strengthen the spillway walls is underway and will continue into early next year.



Image: Spillway concrete work

Work hours

Weather permitting, construction work hours will be from 6.30am to 6.30pm Monday to Friday and from 7.30am to 2pm on Saturdays.

The project will close for the holiday season at 6pm Friday 21 December 2018 and will return at 6.30am on Monday 7 January 2019.

During the break, Seqwater dam operations personnel will be onsite daily and Fulton Hogan personnel will intermittently inspect the area.

Background – Dam Improvement Program

Sideling Creek Dam was constructed in 1957 and upgraded in 1969. In 2012-13, as part of our ongoing monitoring, Seqwater commissioned an independent assessment of Sideling Creek Dam and our other regulated dams. Sideling Creek Dam is one of a number of dams across South East Queensland identified in the assessment for upgrade.

In Queensland, dam owners are responsible for the safety of their dams under the Water Supply (Safety and Reliability) Act 2008. Seqwater's Dam Improvement Program is about upgrading dams in line with the latest engineering standards and to meet the current Queensland Dam Safety Guidelines.



Image: Trucks delivering gravel to the main embankment

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Sideling Creek Dam is an ungated dam. An un-gated dam is built in a way that means Seqwater has no control over water spilling from the dam once the dam water level surpasses the Full Supply Level. When rainfall in the catchment results in inflows to an un-gated dam that increase the water level beyond the dam's Full Supply Level, water begins to flow over the dam spillway. The dam spillway is lower than the dam embankment so that water can flow over the spillway and safely out of the dam into the creek or river system the dam is built on.

All un-gated dams help mitigate flooding to some extent. The peak outflow from an un-gated dam during a flood event is less than the peak outflow that would have occurred had the dam not been built, because some water is held in the dam while it is spilling.

Sign up to our [dam release notification service](#) to be notified when Sideling Creek Dam is spilling and/or nearby North Pine Dam is releasing water. This free service provides subscribers with notifications by [email](#), [SMS](#) or recorded messages to telephone landlines when gated dams are releasing water or un-gated dams are spilling. [Register](#) now to get dam alerts or download the Seqwater app from the [App Store](#) or [Google Play](#) on your device.

We wish you a safe and happy Festive Season!



For more information

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