

# Seqwater Dam Improvement Program

## e-update



### Leslie Harrison Dam upgrade

With temperatures rising and the wet season upon us, Seqwater's upgrade of Leslie Harrison Dam is progressing well. Most of the high risk project work will be completed before the summer break.

#### Spillway work completed!

The project has reached a major milestone with the completion of work on the spillway. Sixteen anchors and 80 dowels have been installed at a depth of up to 17.5 meters. The anchors and dowels will pin the concrete spillway to the bedrock underneath to improve resilience in a major flood event.

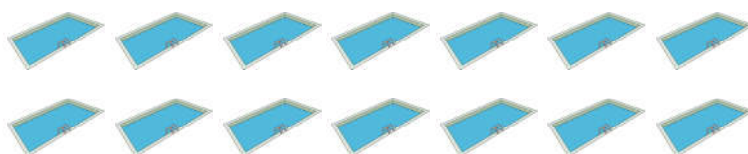
#### Construction update

Work is continuing across the site with good progress in the following areas:

- Excavation to remove soft, sandy (alluvial) soils downstream of the dam have been completed, so the dewatering system and pumps have been removed.
- Rock is being installed as part of the new weighted berm. Large rocks are now being placed on top of the sand and gravel filter layers. The final top section will be earth fill and large rock. The weighted berm will improve the strength and stability of the dam.
- Work on the new raw water pipeline and access shaft is almost complete. The pipeline carries water from the dam to Capalaba Water Treatment Plant.
- Overhead electrical wires across the site have been removed. All of the dam's electrical conduits are now underground.

#### Did you know?

The new weighted berm downstream of the dam wall is built up of different layers of materials that create a filtering effect. Fine sand is at the bottom, followed by fine gravel above that, then larger gravel and then rockfill. In total **35,000 tonnes** of rock will be used to construct the berm. That's enough rock to fill 14 olympic sized swimming pools! That much rock will provide the strength and stability for a gold medal performance during extreme flood events and earthquakes.



#### Stay informed during the wet season

The wet season has begun! Stay informed and be prepared for storms, floods and other wet weather emergencies.

Seqwater provides a free **Dam Release Notification** service which sends notifications by email, text message, or even recorded messages to landlines. You can register to receive notifications at [this link](#).

You can also download the **Seqwater App** which includes dam release notifications, dam levels information, recreation, safety and lake closure updates and weather alerts..

#### What to expect

*Steel cable anchors pin the crest of the spillway to the bedrock below.*



*Rockfill is being placed in the enormous new weighted berm.*



*Can you see the filter layers below the weighted berm? Each layer is compacted.*



*The new pipeline is needed to carry water through the new weighted berm. Maintenance workers will use the access shaft to reach the underground pipeline.*

**SHUTDOWN PERIOD:** construction will shutdown between 21 December 2018 and 7 January 2019.

Work hours are 7am to 5.30pm Monday to Friday and 7.30am to 2pm on Saturdays, when required.

#### Contact the team

If you have any questions about the upgrade, construction contractor Fulton Hogan's project contact details are:

Phone: 1800 405 086 (during work hours)

Email: [LeslieHarrisonDam@fultonhogan.com](mailto:LeslieHarrisonDam@fultonhogan.com)

We will keep you informed of the project's progress. If you know of anyone who would like to receive regular updates, please forward this update to them and ask them to contact the team.

For further details about the Leslie Harrison Dam Upgrade including our traffic and environmental management plans, visit [yourseqwater.com.au/leslie-harrison-dam-upgrade](http://yourseqwater.com.au/leslie-harrison-dam-upgrade)

Thank you for your patience and understanding while this essential work is carried out.



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