

Lake Macdonald Dam Improvement Project

FACT SHEET - NOISE, DUST & VIBRATION

The Lake Macdonald Dam Improvement Project is part of Seqwater's Dam Improvement Program. The project will involve building an upstream cofferdam, a new spillway, and reconstructing the existing earth embankments. Seqwater is proud to partner with John Holland as the major construction contractor to this essential project. The enhancements will not only improve water supply reliability but also bolster the dam's ability to manage extreme weather conditions, ensuring regulatory compliance now and in the future.

Noise

Construction work generates noise which can be experienced differently from person to person.

The project team will implement a range of mitigation measures on site to reduce noise impacts, which will include:

- Using screening and hoarding as a barrier for high noise generating tools and activities, where possible.
- Selecting machinery and plant equipment most suited to the task and ensuring it is properly maintained.
- Adopting construction practices which emit lower noise, such as using prefabricated materials, where possible.

We will continue to engage with the local community to understand concerns about noise and discuss mitigation measures.

Dust

Some project activities such as site establishment and demolition may generate dust. The project team will manage dust where it is generated (at the source) by implementing these mitigation measures:

- Using water carts to wet down areas.
- Stabilising/sealing exposed surfaces, including excavated areas and access roads within the site.
- Using construction practices which produce less dust and changing construction methods during high wind events, where possible.
- Reducing speed limits around the construction site.
- Covered truck loads.

Vibration

Some construction activities have the potential to generate levels of vibration that may be felt nearby. These activities include piling for the new cofferdam and the demolition of the existing dam wall and spillway.

Vibration assessments have been undertaken to gain an indication of potential vibration levels for specific construction activities and if they are likely to impact residents and businesses.

Construction stages likely to have vibratory impacts are being carefully considered in the construction process and where possible, we will adjust our equipment and methods to reduce impacts to the local community.

Monitoring

Monitoring will be undertaken in the area surrounding the site to measure noise, dust and vibration impacts. This will allow the team to address any construction impacts experienced by local residents and implement additional mitigation measures where possible.

Keeping in touch

For more information, contact the project team.

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