

Building with Community in Mind

We're building WA's next major water source, the Alkimos Seawater Desalination Plant (ASDP).

We're committed to reducing the impact on the local community as much as we can during construction.

Did you know?

Before construction began, the ground level of the site was significantly lowered, and a limestone wall was constructed along the boundary. This work was designed to help reduce visual, noise and dust impacts for future residents.



Working hours

Standard construction hours are from 7:00am to 7:00pm, Monday to Saturday.

Some construction activities, including marine construction and tunnelling operations, need to occur outside these hours, such as overnight, on Sundays, and on public holidays.

All out-of-hours work is subject to approval from the City of Wanneroo and follows strict conditions to manage noise and minimise impacts.

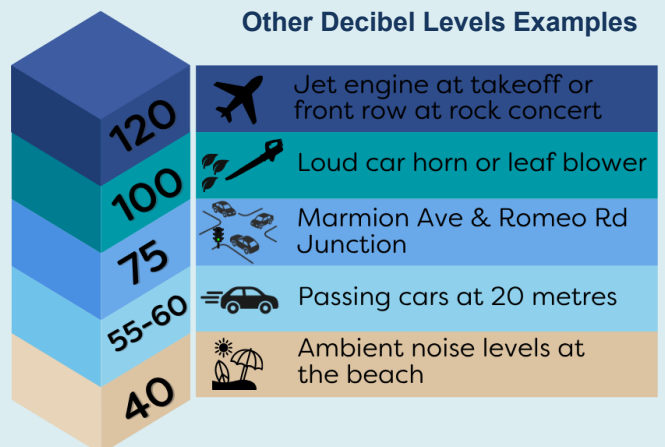
Residents will receive advance notification before any out-of-hours works, and the Water Corporation project website will be updated accordingly.

Noise management

Construction activities can be disruptive to local communities. Strict controls are in place to minimise impacts on nearby residents and businesses. This involves careful planning, acoustic modelling & monitoring, and proactive communication with the community to ensure noise levels stay within safe and acceptable limits.

A noise decibel (dB) scale is a measurement system for sound levels. For example, our excavators operate at approximately 80dB at source, which will drop off over distance. Our closest sensitive receiver is ~450m from permanent works. Ambient noise at the beach is 40dB.

Other Decibel Levels Examples



Vibration management

Some machinery used during construction may generate low levels of vibration at different stages of the work, but feeling vibration does not mean structural damage to properties will occur.

Throughout the project to date, we have carried out regular vibration monitoring and results consistently show levels that are significantly lower than those known to cause property damage. The common sources of vibrations on the project are:

- tunnelling works
- earthmoving and compaction activities
- use of vibratory equipment.

Dust and traffic management

Some construction activities can result in increased dust. Dust suppression measures are in place throughout the entire site construction to reduce impacts on nearby residents.

We have also developed specific routes for deliveries and haulage to reduce heavy traffic on local roads. Air quality monitoring is in place, and we evaluate air quality daily.



Community management

We employ best management practices for all aspects onsite, but with particular attention to noise, vibration, and air quality.

However, occasionally these may be experienced by those nearby the project site. Mitigation measures being implemented by our project include:

- acoustic modelling and monitoring of out-of-hours (OOH) works to ensure controls remain effective
- proactive engagement with the community, informing of upcoming OOH works
- application of polymer to long term stockpiles
- daily progress meetings on site and regularly servicing equipment and machinery to ensure effective working order
- speed limits on site for all light and construction vehicles
- using water trucks and suppressant sprays across the entire site to reduce dust.



Monitoring impacts

To make sure noise, air quality and vibration from our works stay within acceptable levels, we carry out regular monitoring at selected locations. This helps us understand if nominated controls are effective or if any changes need to be made to the construction methodologies.

The data we collect supports our ongoing communication with residents and ensures construction activities continue to meet our Federal & State legislative obligations.

Need more information?

Please visit our website

watercorporation.com.au/asdp