



AQUAREVO
LYNDHURST

Water recycling plant

FREQUENTLY ASKED QUESTIONS



What is Aquarevo?

Aquarevo is a unique collaboration between South East Water and Villawood Properties to create what's on track to become Australia's most water efficient urban housing development. Located in Lyndhurst, south east of Melbourne, each Aquarevo home will be plumbed to harness three sources of water (drinking, recycled and rainwater), which is expected to reduce drinking water use by up to 70 per cent on each property.

Why is a water recycling plant being installed at Aquarevo?

South East Water is installing a water recycling plant to recycle wastewater to Class A standard and send it back to each Aquarevo home for use in the garden, toilet and washing machine.

What is recycled water?

Recycled water is wastewater that has been purified to produce high quality water that is suitable for a range of non-drinking purposes. More information is available at [sew.com.au/recycled water](http://sew.com.au/recycled-water).

Can you drink recycled water?

No. The recycled water being provided to Aquarevo homes can be used for toilet flushing, gardens, washing cars and washing machines. It is not suitable for drinking.

How will the wastewater be treated and recycled?

Wastewater will be treated at the onsite water recycling plant using the Organica Food Chain Reactor. This state-of-the-art treatment process combines natural and artificial root environments to provide a highly robust and energy efficient treatment process with a low carbon footprint. For more information please see the diagram overleaf or contact the Aquarevo project team on 1800 337 775.

What type of plants will be used within the greenhouse?

Suitable local native plants will be used within the greenhouse as part of the treatment process.

Do the plants treat the water?

Yes. The plants root system positively impact the microorganisms which systems form the basis of the biological treatment process.

Do the plants need to be replaced?

The planting will be native perennials so replacement is not required. With optimal growing conditions within the greenhouse the maintenance of plants will involve periodic pruning.

Has this technology been used before?

The Organica Food Chain Reactor is widely used in over 50 sites worldwide including Europe, Asia and more recently Canada.

What will the water recycling plant look like?

The water recycling plant is housed within a greenhouse (approximately 12 m wide x 6.5 m high x 20 m long) using structurally modified containers to house the engineering elements of the treatment process. The image opposite is an artist's impression of what the water recycling plant at Aquarevo will look like after installation and landscaping undertaken in the surrounding area.



While no changes are envisaged to the above design, there may be minor alterations to plant species and surrounding landscaping.



Will the landscaped area around the water recycling plant be available for use by the public?

Yes. Once construction and landscaping are complete the open space around the water recycling plant can be used by residents and the general public.

Can residents and members of the public go inside the water recycling plant?

The water recycling plant will be locked at all times. Residents and community groups will be able to apply to South East Water for a tour of the facility by contacting the Aquarevo project team on 1800 337 775.

Will there be any odour from the water recycling plant?

No. South East Water must adhere to the Environment Protection Authority requirements which state that there can be no noticeable odour outside the greenhouse.

Will there be any noise from the water recycling plant?

No. Once construction is complete there will be no noticeable noise in line with the guidelines set out by the Environment Protection Authority.

When will construction of the plant commence?

As the plant is prefabricated off-site, construction to install the plant is anticipated to take six weeks. This will be followed by a testing and commissioning phase. The water recycling plant is anticipated to be installed in 2019 and fully operational by 2020.

More information

For more information on the Aquarevo water recycling plant please contact the project team on:

☎ 1800 337 775

✉ aquarevo@sew.com.au

🌐 www.aquarevo.com.au



If you require an interpreter, contact (03) 9280 0779.

Aquarevo water recycling plant

HOW IT WORKS

