

# Press release

Greenbushes, Western Australia – April 5, 2018

## Veolia Water Technologies selected to deliver the Greenbushes Lithium Mine Water Treatment Plant in Western Australia



**Veolia technologies used at the Water Treatment Plant allow doubling the output at the largest hard rock lithium mine in the world, satisfying all environmental requirements regarding discharge water.**

Located in Greenbushes, Western Australia, the Talison Lithium mine is a leading producer of lithium in Western Australia. The lithium mined is used in batteries for consumer electronics, electric bicycles, buses and passenger vehicles. It is also used in aerospace alloys, wind turbines, glass and ceramics.

The mine site is located adjacent to the town of Greenbushes in Western Australia. It is approximately 250 km south of Perth and is the biggest hard rock Lithium mine in the world. The Greenbushes Lithium Mine Water Treatment Plant will be constructed utilising some of Veolia Water Technologies core technologies.

After extensive engineering and test work, Veolia Water Technologies will provide a water treatment plant solution based on ACTIFLO® clarification, CeraMem® ultrafiltration, high recovery RO and two stage EVALED® thermal evaporation. The water treatment plant is designed to treat a maximum feed flow of 150 m<sup>3</sup>/h and achieve the highest overall water recovery possible.

This new water treatment plant will enable Talison Lithium to double the output from the Greenbushes Operations, and satisfy the environmental requirements to reduce lithium contained in the onsite mine water prior to discharge to the environment.

While preliminary activities have already commenced, the construction of the Greenbushes Lithium Mine Water Treatment Plant is scheduled to be completed and operational in 2019.

**Talison Lithium** is a leading global producer of lithium. Talison Lithium's headquarters are in Perth, Western Australia and the Company has over 140 employees located in Australia, Canada, Chile and China. Talison Lithium

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currently produces lithium concentrate at its lithium mineral project in Western Australia located in the town of Greenbushes. The lithium orebody at Greenbushes is unique in that it contains large zones of high grade lithium ore. Lithium has been produced from the Greenbushes operations for over 25 years and Talison Lithium currently exports over 350,000 tonnes of lithium products annually to a global customer base. [www.talisonlithium.com](http://www.talisonlithium.com)

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**Veolia Water Technologies** provides water and wastewater treatment solutions to private and public sector organisations throughout Australasia – offering the complete range of services required to design, build, operate, maintain, upgrade and manage water and wastewater treatment facilities and systems. At Veolia, we draw on comprehensive and advanced international expertise, covering areas such as water chemistry, water reuse and desalination.

Veolia Water Technologies also provides construction and maintenance services for water distribution and wastewater collection systems and refurbishment services for large parts of Australia's urban water networks and sewerage systems. We pioneer the use of minimal impact techniques to assess and upgrade networks. Our consulting services help municipal and water utilities organisations maximise revenue from their water services.

To know more on Veolia Water Technologies Australia and New Zealand  
<https://www.veoliawatertechnologies.com.au/>

**Veolia** group is the global leader in optimized resource management. With over 163 000 employees worldwide, the Group designs and provides water, waste and energy management solutions that contribute to the sustainable development of communities and industries. Through its three complementary business activities, Veolia helps to develop access to resources, preserve available resources, and to replenish them.

In 2016, the Veolia group supplied 100 million people with drinking water and 61 million people with wastewater service, produced 54 million megawatt hours of energy and converted 30 million metric tons of waste into new materials and energy. Veolia Environment (listed on Paris Euronext: VIE) recorded consolidated revenue of €24.39 billion in 2016. [www.veolia.com](http://www.veolia.com)

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