

## ASX ANNOUNCEMENT

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# Lithium Australia fortifies intellectual property protection for its battery recycling

## HIGHLIGHTS

- Lithium Australia has filed a provisional Patent Cooperation Treaty ('PCT') application, relating to the recycling of alkaline batteries, with IP Australia.
- The alkaline battery separation process was used to generate samples for the 2021 micronutrient field trial programme undertaken by Envirostream Australia.

## Update on intellectual property programme

Envirostream Australia Pty Ltd ('Envirostream') is a 90% owned subsidiary of Lithium Australia NL (ASX: LIT, 'the Company'). The Company is pleased to announce the filing of a PCT application relating to Envirostream's recycling process for alkaline batteries.

## Separation of electrode materials

The PCT application – entitled 'Process for recovering values from alkaline batteries', with the reference Australian Provisional Patent Application 2021902192 – describes processes for the separation of electrode materials (comprising, for example, cathode material and/or an anode) from alkaline batteries.

That process was used to generate the samples applied in the Envirostream 2021 field trial programme ([see ASX announcement 1 June 2021](#)).

## Comment from Lithium Australia MD Adrian Griffin

"The ability to add value to spent alkaline batteries is a further demonstration of Envirostream's leading edge in the field of battery recycling. A timely technical advance, it coincides with the introduction of the national battery stewardship scheme ([see ASX announcement 6 May 2021](#)), designed to divert end-of-life batteries from landfill, and will enhance the value of the spent alkaline batteries available for recycling."

Authorised for release by the Board.

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## About Lithium Australia

Lithium Australia aims to ensure an ethical supply of energy metals to the battery industry by creating a circular battery economy that enhances both sustainability and resource security. Reprocessing spent lithium-ion batteries to create new ones is intrinsic to this plan, with the Company operating Australia's only fully integrated mixed-battery recycling business.

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Having rationalised its portfolio of lithium projects/alliances, Lithium Australia continues its research into, and the development of, proprietary extraction processes for the conversion of *all* lithium silicates (including mine waste), and of fines generally discarded during conventional spodumene conversion, to lithium chemicals, from which it will produce advanced cathode materials for the battery industry globally.

The Company's progress has been recognised by the Australian federal government through the awarding of substantial research grants designed to progress the nation's advanced battery capabilities.

By uniting resources and innovation, Lithium Australia seeks to vertically integrate lithium extraction, processing and recycling.

## Media contacts

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