

ACN: 126 129 413 ASX: LIT

Suite 3 23 Belgravia Street Belmont WA 6104

PO Box 588 Belmont WA 6984

Phone +61 (0) 8 6145 0288 Fax +61 (0) 8 9475 0847

info@lithium-au.com lithium-au.com

HIGHLIGHTS

The Sileach™ process - a processing breakthrough to revolutionize lithium

production

ASX ANNOUNCEMENT

- Universal leaching process for Li silicate ores
 - Spodumene
 - Micas
 - Jadarite
 - Clays
- Low-energy, no roasting required
- Low-cost
- Low temperature / atmospheric pressure
- Rapid reaction times
- Patent application lodged

BACKGROUND

Lithium Australia NL (ASX: LIT) has successfully developed a hydrometallurgical process, the Sileach[™] process, for the recovery of lithium from spodumene, currently the primary source of hard-rock lithium production. The Sileach[™] process is readily adaptable to other silicate minerals also and has been developed to reduce the cost of producing lithium chemicals from materials that have traditionally been roasted, with very high energy costs, to recover the lithium.

Independent laboratory tests of the Sileach[™] process has achieved lithium extractions, from alpha spodumene, of up to 92% in 4 hours.

IMPLICATIONS

The Sileach[™] process has the potential to release the value from stranded lithium silicate deposits – those deposits quarantined by sub-economic grades.

The Sileach[™] process has the ability to transform low-grade spodumene occurrences into viable ore as, due to lower projected operating costs, it is less sensitive to feed grade. This will result in lower cut-off grades for resource calculations, expansion of existing resources without the requirement for further drilling, and greater recovery of metal inventories.

As the lithium is precipitated from solution in the Sileach[™] process, all impurities in lithium silicate feed can be rejected during the production of lithium chemicals. Spodumene, and other silicates, in which impurity concentrations would otherwise render them unmarketable, can now be considered viable process feed.

PROJECT SPECIFICS

The Pilbara (Western Australia)

The Pilbara region, where LIT has MoU's with Pilbara Minerals Limited (ASX: PLS) and Venus Metals Corporation Limited (ASX: VMC) will, in the future produce a range of lithium minerals. This is likely to include micas, clays and low-grade spodumene, which in the past may have been sub economic. All of these materials can be processed with the Sileach[™] process.

Electra JV (Sonora, Mexico)

The Electra project is a farmin and JV in which LIT can earn up to 65% of the project from its partner, TSX Venture listed Alix Resources (TSX-V: AIX). The Sileach[™] process, together with other processes will be tested on this project when materials are available.

Lepidolite Hill (Western Australia)

Lepidolite Hill is part of the Coolgardie Rare Metals Venture (LIT 80% and Focus Minerals [ASX: FML] 20%) and has been the subject of intensive metallurgical testing by LIT. The Sileach[™] process is currently being evaluated on material from this deposit in anticipation of much improved leach times, potentially providing for reduced plant size and capital costs for deposits of this type.

Cinovec (Czech Republic)

The Cinovec deposit, located in the Czech Republic is subject of a non-binding MoU with European Metals Holdings Limited (ASX: EMH). Lithium in the deposit is primarily hosted by zinnwaldite, a lithium mica, however lithium potentially also occurs in other silicates, which, until now has not been recoverable. The Sileach[™] process has the potential to improve the economics of the Cinovec project by recovering a significant portion of the lithium carried in other silicates and discharged to waste during de-sliming as outlined in the scoping study announced by EMH in May 2015. The scoping study estimated the overall lithium recovery to be 70%. LIT believes that the Sileach[™] process can substantially improve this, potentially adding to the revenue stream.

INDUSTRY OUTLOOK

Lithium Australia Managing Director, Mr Adrian Griffin:

"The Sileach™ process is potentially to the lithium industry what froth flotation is to the base metals industry."

"In the early 1900s three out of every 4 tonnes of ore unearthed from Broken Hill went to waste dumps because the lead could not be separated from the zinc. The massive dumps would have entombed the mines heralding the end of production, had it not been for the advent of froth flotation."

"Hard-rock lithium faces a similar dilemma with energy intensive processes dictating what can and can't be economically processed. Only high-grade spodumene concentrates, are viable under such conditions. The low-grade materials, be they spodumene or mica, have, in the past, been destined for the waste dumps. The Sileach™ process can change that by producing a cost-effective means of processing lower grade, or hitherto difficult to treat materials." "The Sileach™ process will not only provide a commercial opportunity for newly mined materials, but will also unlock the value of lithium minerals discarded in the past."

"There is no shortage of lithium deposits or concentrating plants in the world but there is a massive shortage of lithium carbonate and hydroxide plants and Lithium Australia is focused on filling that gap with its leading edge environmentally friendly processing technologies."

Adrian Griffin

Managing Director Mobile +61 (0) 418 927 658 and email Adrian.Griffin@lithium-au.com

About Lithium Australia NL:

Lithium Australia is a dedicated developer of disruptive lithium extraction technologies. It has strategic alliances with a number of companies, potentially providing access to a diversified lithium mineral inventory on three continents.

MEDIA CONTACT:

Adrian Griffin Lithium Australia NL Kevin Skinner Field Public Relations 08 8234 9555 | 0414 822 631

08 6145 0288 | 0418 927 658