

Lake Resources NL: Proven Advances in DLE Technology & Webinar Slides

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Sydney, Australia - Clean lithium developer [Lake Resources NL](#) (ASX:LKE) (FRA:LK1) (OTCMKTS:LLKKF) confirms that Lilac Technologies' direct extraction technology has been proven successful through extensive field testing at the flagship Kachi project ("Kachi") in Argentina.

"This is a key milestone for DFS preparation for Phase 1 of the Kachi project and a major derisking of the Kachi project," Lake CEO David Dickson said.

"This is a significant achievement as Kachi is one of the largest successful DLE testing programs ever undertaken and couldn't have been done without this on-site development.

"This work supports the phased approach to first commercial lithium production from 2H 2027, with a targeted plant capacity of 25,000 TPA of battery grade LCE by 2028, and targeted plant capacity of 50,000 TPA battery grade LCE from 2030"

He said process unit operations had been tested and data collected for the commercial plant design.

"The ion exchange DLE technology at Kachi is working extremely well with outstanding rates of recovery at ambient brine temperatures, minimal water consumption, and high lithium concentrations.

"We processed 120,000 liters of Kachi lithium chloride eluate into battery grade lithium carbonate which included:

- Bench scale validation testing
- 1,000-liter Pilot Plant testing
- 10,000-liter Demo Plant testing

"Then we made the Kachi lithium carbonate product available for quality validation to Saltworks and our off takers.

"This, along with our demonstrated viability of extraction and injection has us on track for a Definitive Feasibility Study for Phase 1 of the Kachi Project in December 2023."

In the attached ASX presentation and in an investor webinar today Lake says that process design, site power design, equipment list compilation, and further detailing of capital and operating expenditure is well underway.

"We continue working with United States and Argentina authorities on strengthening the lithium supply chain."

He said he was also having regular updates with Export Credit Agencies in the United Kingdom and Canada and with offtake partners while working with strategic advisors on capital management.

The webinar can be accessed at:
<https://app.webinar.net/1yZ07ZdzGrl/on-demand>

About Lake Resources NL:

[Lake Resources NL](#) (ASX:LKE) (OTCMKTS:LLKKF) is a clean lithium developer utilising state-of-the-art ion exchange extraction technology for production of sustainable, high purity lithium from its flagship Kachi Project in Catamarca Province within the Lithium Triangle in Argentina among three other projects covering 220,000 ha.

This ion exchange extraction technology delivers a solution for two rising demands - high purity battery materials to avoid performance issues, and more sustainable, responsibly sourced materials with low carbon

footprint and significant ESG benefits.

Source:

[Lake Resources NL](#)

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