

23 June 2022

On Monday 20 June LKE informed the ASX that LKE was establishing a North American presence to serve its off-take customers, to continue to work with its US-based technology partner Lilac Solutions, and capital markets.

It said that LKE Chairman Stu Crow is to serve as Executive Chairman for six months to oversee the appointment of a new CEO, board members, and the establishment of US offices.

LKE informed the market that it was interviewing potential CEO/MD candidates with project development and production experience, and someone known to US markets in order to bring its projects to production and build on customers relationships in the important US market.

LKE said that as part of establishing a North American presence current Managing Director Steve Promnitz would depart.

The timing of Mr Promnitz's resignation was of his own volition. The Board received his resignation on Friday and no reason was provided by Mr Promnitz. The Board considered his resignation over the weekend, and then informed the market on Monday.

Nothing has changed in respect of LKE's desire to progress development of the Kachi and other projects in Argentina to meet rising demand in the US and other western markets, and in particular Lake advises that despite Mr Promnitz's departure :

- Meetings with potential CEO/MD candidates will be progressed;
- Negotiations over the terms of the MOUs with Japan's Hanwa and the Ford Motor Company are continuing;
- Citi and JP Morgan are progressing debt arrangements with the Export Credit Agencies in the UK and Canada;
- LKE's technology partner Lilac Solutions has the modular demonstration plant in Argentina with assembly and testing during July.

There is an urgency in the US to secure battery metal supply chains. The Executive Chairman Mr Stu Crow is currently in the US with a view to progressing the outlined strategy.

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**About Lake Resources NL (ASX:LKE OTC:LLKKF) –**

**Clean high purity lithium using efficient disruptive clean technology - in demand by EV makers and lithium-ion batteries**

Lake Resources NL (ASX:LKE, OTC: LLKKF) is a clean lithium developer utilising direct 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 direct extraction method 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.

- 1. Climate-Tech:** Efficient, disruptive, clean, cost-competitive technology using well-known water treatment re-engineered for lithium (not mining). Technology partner, Lilac Solutions Inc, is supported by the Bill Gates led Breakthrough Energy fund, MIT's The Engine fund, Chris Sacca's Lowercarbon Capital, BMW, Sumitomo and SK Materials. Lilac will earn in to the Kachi Project, up to a 25% stake, based on certain milestones and then be expected to fund their c.US\$50 million pro-rata share (refer ASX announcement 22 September 2021)
- 2. High Purity:** 99.97% purity lithium carbonate samples for a premium price. Demonstrated high quality in nickel rich NMC622 lithium-ion batteries (refer ASX announcement 20 October 2020; 2 March 2021).
- 3. Sustainable /ESG:** Far smaller environmental footprint than conventional methods, that returns virtually all water (brine) to its source with a low CO2 footprint.
- 4. Prime Location, Large Projects:** Flagship Kachi project in prime location among low-cost producers with a large lease holding (74,000 ha) and expandable resource (4.4 Mt LCE) of which only 20% is used for 25 years production at 25,500tpa (JORC Resource: Indicated 1.0Mt, inferred 3.4Mt, refer ASX announcement 27 November 2018). Pre-feasibility study by tier 1 engineering firm shows large, long-life low-cost operation with US\$1.6 billion NPV pretax, and annual EBITDA of US\$260 million from 2024 (refer ASX announcement 17 March 2021; 28 April 2020). (No changes to the assumptions in the resource statement or the PFS have occurred since the announcement date. The DFS will use a base case of 50,000 tpa LCE.)
- 5. Finance Indicatively Available:** Long duration, low-cost project debt finance for the Kachi Lithium Project is indicatively available from the United Kingdom's Export Credit Agency UKEF and Canada's EDC with Expressions of Interest to support approx. 70% of the total finance required for Kachi's development, subject to standard project finance terms (refer ASX announcements 11 August 2021; 28 September 2021).

An innovative direct extraction technique, based on a well-used ion exchange water treatment method, has been tested for over 18 months in partnership with Lilac Solutions, with a pilot plant module in California operating on Kachi brines and has shown 80-90% recoveries. Battery quality lithium carbonate (99.97% purity) has been produced from Kachi brine samples with very low impurities (refer ASX announcement 20 October 2020). The first samples of high purity (99.97% purity) battery quality lithium carbonate were tested in a NMC622 battery by Novonix with excellent results (2 March 2021).

This method of producing high purity lithium can revolutionise and disrupt the battery materials supply industry as it's scalable, low cost, and delivers a consistent product quality with a significant ESG benefit.

Lake's other projects include the Olaroz and Cauchari brine projects, located adjacent to major world class brine projects in production or construction, including Orocobre's Olaroz lithium production and adjoins the impending production of Ganfeng Lithium/Lithium Americas' Cauchari project. Lake's Cauchari project has shown lithium brines over 506m interval with high grades averaging 493 mg/L lithium (117-460m) with up to 540 mg/L lithium. These results are similar to lithium brines in adjoining leases and infer an extension and continuity of these brines into Lake's leases (refer ASX announcements 12 June 2019, 23 March 2021).

For more information on Lake, please visit <http://www.lakeresources.com.au/home/>

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