

Lake Resources NL: Additional Kachi Brine to Pilot Plant

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Brisbane, Australia - Lithium explorer and developer [Lake Resources NL](#) (ASX:LKE) (FRA:LK1) (OTCMKTS:LLKKF) can confirm that a further 20,000 litres of brine samples from a number of wells is being sent from Lake's Kachi Lithium Brine Project to Lilac Solutions' pilot plant in California.

This takes the total volume of Kachi brines to be processed at Lilac's facility to 40,000 litres and ensures Lake will have continuity of supply of requisite sample sizes to meet the growing demand from potential off-takers. Interest in the direct extraction process for the Kachi project using Lilac's technology has increased from EV manufacturers, battery makers and others in the supply chain.

The second batch of 20,000-litre samples were pumped from a number of wells to provide a range of brine types and are being dispatched from site successfully. This process has involved using increased personal protective equipment (PPE) and under heightened security around travel and activities, following guidelines under COVID-19 set out by the federal and provincial governments in Argentina.

The samples have been collected and are being transported from Kachi (see Figs 1,2*).

These samples will be processed similarly to current brine samples in the pilot plant modules using Lilac Solutions' direct extraction ion exchange process into larger battery grade lithium carbonate samples with 99.9% purity. Processing of the first 20,000 litres is still ongoing but has understandably been slower than anticipated under initial COVID-19 guidelines. However, both the operations in Argentina and in California are considered essential services and work can continue.

Previously, the pilot plant was successfully commissioned using initially replicate brines and later smaller sample brines from Kachi. As reported, very high purity lithium carbonate was produced from both these brines.

Lake is also pleased to confirm that the Pre-Feasibility Study (PFS) of the Kachi Project using the direct extraction processing method is in the final review process and is anticipated to be released before the end of the month.

Lake's Managing Director Steve Promnitz said: "Lake continues to be focused on delivering samples of battery grade lithium carbonate from Kachi brines from the pilot plant despite some of the inevitable delays under COVID-19. Naturally our first emphasis is on the health and safety of our team and the communities in which we work and the same applies for the pilot plant."

We hope to be able to report results from the processing of the first 20,000 litres soon and we are encouraged by the fact that this work is ongoing at Lilac, albeit more slowly. The additional 20,000 litres that we now transporting to site and then testing will further validate that this technology works well and we can deliver high purity lithium carbonate from the Kachi brines."

*To view tables and figures, please visit:
<https://abnnewswire.net/lnk/1HO424E3>

About Lake Resources NL:

[Lake Resources NL](#) (ASX:LKE) is a lithium exploration and development company focused on developing its three lithium brine projects and hard rock project in Argentina, all owned 100%. The leases are in a prime location among the lithium sector's largest players within the Lithium Triangle, where half of the world's lithium is produced. Lake holds one of the largest lithium tenement packages in Argentina (~200,000Ha) secured in 2016 prior to a significant 'rush' by major companies. The large holdings provide the potential to provide consistent security of supply demanded by battery makers and electric vehicle manufacturers.

The Kachi project covers 69,000 ha over a salt lake south of FMC's lithium operation and near Albemarle's Antofalla project in Catamarca Province. Drilling at Kachi has confirmed a large lithium brine bearing basin

over 20km long, 15km wide and 400m to 800m deep. Drilling over Kachi (currently 16 drill holes, 3100m) has produced a maiden indicated and inferred resource of 4.4 Mt LCE (Indicated 1.0Mt and Inferred 3.4Mt) within a 8-17 Mt LCE exploration target (refer ASX announcement 27 November 2018).

A direct extraction technique is being tested in partnership with Lilac Solutions, which has shown 80-90% recoveries and lithium brine concentrations in excess of 3000 mg/L lithium and is planned to be trialled on site in tandem with conventional methods as part of a PFS to follow the resource statement. Scope exists to unlock considerable value through partnerships and corporate deals in the near term.

Source:

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