

13 June 2024

LU7 COMPLETES TWO ENVIRONMENTAL FIELD STUDIES AT BÉCANCOUR SITE

Highlights

- Two environmental field studies completed at Bécancour
- No significant biological issues were reported by the environmental team
- Wetlands identified are of low ecological value
- Further environmental surveys planned in the coming months

Lithium Universe Limited (referred to as "Lithium Universe" or the "Company," ASX: "LU7") is pleased to announce that two environmental field studies have been completed at the Company's proposed refinery site located at the Bécancour Waterfront Industrial Park (**BWIP**), Québec.



Figure 1: The Company's environmental field study completed by Hatch Ltd from the Montreal and Trois-Rivières offices.

We are pleased to announce the completion of a survey, adhering to provincial protocols, which found no presence of the short-eared owl, a species of concern, in the Lot 22 area. The site's proximity to the CEPSC chemical plant, railway, and highway likely makes it less attractive for this species. This information is vital for our ongoing environmental assessments and planning.

A recent breeding bird survey revealed the presence of Chimney Swifts, a species at risk known to nest in human structures, likely to inhabit structures away from Lot 22. No habitat was observed for salamanders or the least bittern bird, indicating no further surveys are necessary for these species.

Wetland delineation, conducted according to provincial guidelines, aligns with desktop review information, with no unexpected findings. Wetlands are primarily located in the northern and eastern portions of the site, with smaller patches in the southwestern sector. These wetlands are likely of low ecological value, characterized by agricultural ditches and the presence of the invasive species *Phragmites australis*. Wetland surveys will continue through June and July.



Figure 2: Site environmental survey undertaken by the Company.

Lithium Universe Chairman, Iggy Tan said, *"There was nothing unexpected from our recent environmental surveys. The Becancour Industrial Park is an existing industrial complex designed to host operations like the Company's 16,000 tpa lithium carbonate refinery. Wetland surveys will continue through June and July. This is an important step forward as we progress our plans at the Bécancour property."*

- Ends -

Lithium Universe Interactive Investor Hub

Engage with Lithium Universe directly by asking questions, watching video summaries and seeing what other shareholders have to say about this, as well as past announcements, at our Investor Hub <https://investorhub.lithiumuniverse.com/>

Authorisation

Authorised by Iggy Tan, Executive Chairman of Lithium Universe Limited.

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Forward-looking Statements

This announcement contains forward-looking statements which are identified by words such as 'anticipates', 'forecasts', 'may', 'will', 'could', 'believes', 'estimates', 'targets', 'expects', 'plan' or 'intends' and other similar words that involve risks and uncertainties. Indications of, and guidelines or outlook on, future earnings, distributions or financial position or performance and targets, estimates and assumptions in respect of production, prices, operating costs, results, capital expenditures, reserves and resources are also forward-looking statements. These statements are based on an assessment of present economic and operating conditions, and on a number of assumptions and estimates regarding future events and actions that, while considered reasonable as of the date of this announcement and are expected to take place, are inherently subject to significant technical, business, economic, competitive, political and social uncertainties and contingencies. Such forward-looking statements are not guarantees of future performance and involve known and unknown risks, uncertainties, assumptions and other important factors, many of which are beyond the control of our Company, the Directors, and management. We cannot and do not give any assurance that the results, performance or achievements expressed or implied by the forward-looking statements contained in this announcement will occur and readers are cautioned not to place undue reliance on these forward-looking statements. These forward-looking statements are subject to various risk factors that could cause actual events or results to differ materially from the events or results estimated, expressed, or anticipated in these statements.

ABOUT LITHIUM UNIVERSE LIMITED (ASX:LU7)

Lithium Universe has two distinct operations that encompass its business objectives.

Lithium Exploration

LU7 seeks to establish itself as a prominent lithium project builder by prioritizing the swift and successful development of lithium projects. Instead of exploring for the sake of exploration, LU7's mission is to quickly obtain a resource and construct a spodumene-producing mine in Québec, Canada. Unlike many other lithium exploration companies, LU7 possesses the essential expertise and skill to develop and construct profitable projects. Additionally, LU7 has access to significant Lithium opportunities in Tier 1 mining jurisdictions in Canada and Australia.

Lithium Conversion

Lithium Universe is dedicated to closing the 'Lithium Conversion Gap' in North America by developing a mine-to-battery-grade lithium carbonate strategy in Québec, Canada. Our mission is to support the supply chain needs of original equipment manufacturers (OEMs), particularly in the automotive sector, by converting spodumene supply into lithium chemicals for EV battery plants North America.

Our business model focuses on converting spodumene supplies under "take or pay" agreements with OEMs. These agreements include protective pricing mechanisms, such as floor and ceiling prices, to ensure stable margins and mitigate market volatility. This approach guarantees our LU7 refinery's payback while providing OEMs with a reliable and sustainable supply of lithium chemicals.

THE LITHIUM CONVERSION GAP

North America anticipates a surge in battery manufacturing, with over 20 major manufacturers planning to deploy an estimated 1,000GW of battery capacity. The Company estimates that 850,000t of LCE per annum will be required to satisfy demand in North America by 2028.

Spodumene concentrate needs to be converted to battery-grade lithium carbonate or hydroxide to be used in the production of cathode materials for lithium batteries. Currently, there are no operational converters in North America and the Company estimates only 100,000t of LCE hard rock converters are slated for construction in the region by 2028. The region seeks to decrease dependence on Chinese lithium converters, aligning with both commercial and national security goals to onshore the lithium battery supply chain in North America.



PROVEN LITHIUM EXPERTISE

The Company is comprised of lithium industry leaders known as the 'Lithium Dream Team', who are known for rapidly developing and operating hard rock lithium extraction and downstream operations across Australia and China. The Company's Chairman, Iggy Tan, is considered a pioneer in the modern lithium industry; spearheading Galaxy Resources, Iggy Tan built the first large-scale vertically integrated mine-to-refinery project including the 1 million tpa Mt Cattlin Spodumene Project and the downstream 17,000 tpa Jiangsu Lithium Carbonate Refinery. Patrick Scallan, Director, is a seasoned veteran of the lithium industry with over 25 years of managing the world-class Greenbushes Mine including production expansion from 200ktpa to 1.4mtpa during his tenure. Dr Jingyuan Liu is a world-leading technical expert in downstream lithium processing having consulted for over 25 different refinery operations over the world having previously managed the construction and commissioning of the Jiangsu Lithium Refinery for Galaxy.



Mr Terry Stark, who previously served as the General Manager of Operations for both Mt Cattlin and James Bay projects; Mr Roger Pover, with extensive experience as Plant Manager at Greenbushes and Mt Cattlin. John Loxton, who was involved in the construction of Jiangsu Lithium Carbonate Plant for Hatch Engineering and John Sobolewski, former CFO and Co Sec of Galaxy Resources, assumes the role of Chief Financial Officer at Lithium Universe.

PROVEN LITHIUM TECHNOLOGY

The Jiangsu Lithium Carbonate Plant, initially designed to produce 17,000 tpa of battery-grade lithium carbonate, has set a global benchmark for lithium refineries by incorporating advanced Western continuous process control techniques. The plant has surpassed its design capacity, now producing 20,000 tpa of high-quality battery-grade lithium carbonate. Remarkably, it achieved steady-state quality within two years of groundbreaking. Building on this success, Lithium Universe plans to replicate the Jiangsu plant's design, utilizing the same suppliers, equipment, and engineering firm to mitigate risks. Hatch Limited, the engineering company behind the original Jiangsu plant, has been contracted to conduct the Definitive Feasibility Study (DFS) for the Company's Bécancour Lithium Refinery.