

EAU Lithium Brine Samples Shipped to Germany for Testing with VULSORB® Technology

Cosmos holds an exclusive option to acquire EAU Lithium Pty Ltd, which has a technology partnership with Vulcan Energy Resources' to utilise its proprietary VULSORB® technology in unlocking Bolivia's vast lithium brine potential.

Further to its announcement of 19 December 2024, **Cosmos Exploration Limited (ASX: C1X)** ("Cosmos" or "the Company") is pleased to advise that brine samples generated by EAU Lithium Pty Ltd (EAU) from its lithium exploration assets in Bolivia are now enroute to Germany for testing.



Figure 1 – Brine sample collection at Salar de Pastos Grandes for testing with Vulcan's proprietary VULSORB® technology. The process involved purging the well (above) before pumping brine into bulk containers (Figure 2). This procedure was also repeated at Salar de Coipasa and Salar de Empexa.

EAU advised that 5m³ of brine samples collected from the Salar de Coipasa, Salar de Pastos Grande and Salar de Empexa Lithium Projects departed for Germany with an estimated arrival in Hamburg on 27th March 2025.

Once through German customs, the samples will be sent to Vulcan Energy Resources Limited's (ASX: VUL) testing facility in Insheim and tested at bench and pilot scale using Vulcan's proprietary sorbent, VULSORB®, which is licenced to EAU Lithium.



Figure 2 – Brine Transfer into Bulk Containers at Salar de Pastos Grandes for Transport and Testing

Cosmos has an exclusive option agreement to acquire 100% of EAU, a private Australian-based lithium development company located in the heart of the world-class Lithium Triangle in South America (see ASX Announcement dated 19 December 2024).

This strategic agreement positions Cosmos to support EAU in its groundbreaking work with Bolivia's state-owned lithium company, Yacimientos de Litio Bolivianos (YLB), in technology partnership with one of the world's leading lithium development and renewable energy companies, Vulcan Energy Resources Limited (ASX: VUL).

EAU recently signed a technology agreement with YLB to test lithium brines from Bolivia's premier salt lakes (salars) utilising Vulcan's proprietary VULSORB® technology.

Whilst the brines are in transit to Germany, EAU will finalise a proposal with Vulcan to conduct synthetic brine testing at lab scale, ahead of a fulsome technical analysis of the shipped bulk brine samples. This approach allows for some early results to be shared with YLB and meets key requirements of the testing agreement in addition to assessing the performance of Vulcan's proprietary technology with Bolivian lithium brine over multiple production cycles at pilot scale.

The results of this testing will determine the potential to progress toward an association agreement (or joint venture) for the sustainable development of high-value lithium brine processing facilities. Bolivia hosts the world's largest lithium resources, estimated at 23 million tonnes¹.

The partnership strengthens Cosmos' position in the global critical minerals sector and underscores its commitment to advancing the global energy transition.

Cosmos Executive Chairman, Jeremy Robinson, said: *"This testwork program on EAU's brine samples has enormous implications for Bolivia's future large-scale lithium production potential, with Vulcan's proprietary technology seeking to overcome the processing challenges experienced in the past. We are delighted to hear that EAU's brine samples are now enroute to Germany and look forward to seeing the ongoing results from the testwork program."*

This announcement has been authorised by the Board of Cosmos Exploration Limited.

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About Cosmos Exploration

Cosmos Exploration Limited (ASX: C1X) is an ASX listed International critical minerals Company focussed on developing the vast lithium resources of Bolivia in South America via Adsorption Type Direct Lithium Extraction "A-DLE" through a technology partnership with Vulcan Energy Resources Limited. Cosmos also holds significant critical minerals exploration projects in Canada and Australia

¹ Analysis of YLB resource reports and independent publicly available data

Competent Person Statement

There are no new exploration results or data reported in this announcement.

The information in this announcement that relates to geological interpretation is based on information and data compiled or reviewed by Mr Kristian Hendricksen. Mr Hendricksen is an employee and shareholder of Cosmos Exploration Limited (Cosmos) and is a Member of the Australasian Institute of Mining and Metallurgy (AusIMM).

Mr Hendricksen has sufficient experience relevant to the style of mineralisation under consideration and to the activities undertaken to qualify as a Competent Person as defined in the 2012 Edition of the Joint Ore Reserves Committee (JORC) Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves. Accordingly, Mr Hendricksen consents to the inclusion of the matters based on the information compiled by him, in the form and context it appears.

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