

One World Lithium Announces That They Have Received Natural Brine Samples for Testing Using Direct Lithium Carbonation Extraction Technology and Closing Term Loan Financing

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[One World Lithium Inc.](#) (CSE-OWLI) (OTCQB-OWRDF) (the "Company" or "OWL") is pleased to announce it has now received two separate lithium brine samples from a major mining company's lithium project in South America. The samples are currently at the lab where they will be tested for Lithium Recovery using the Company's novel lithium recovery technology that will enable lithium carbonate production directly from natural brines in a single step.

In November 2024, OWL acquired two patent applications that permit it to commercialize the recovery of lithium using a Direct Lithium Carbonation Extraction Technology ("DLCE") from specified sources including natural brine and slurries made from pegmatite, clay volcanic rock and sediment. The Company will be funding the development, testing and R&D work associated with these patent applications.

Primary Project Goals - Ongoing Testing at Lab

The aim of the lab work being conducted now is to continue to validate and expand the technology to extract lithium carbonate from brine. This project also plans to explore the production or coproduction of additional elements such as sodium, calcium, and magnesium from the brine.

This process does not require pre-concentration, base concentration, or post-concentration steps as used in evaporation ponds and direct lithium extraction processes. With no sorbents, no acids, and no soda ash, a cleaner lithium extraction can be achieved with substantially lower capital and operating costs.

Funding for the Test Work

The Company has entered into an Umbrella Technology Agreement (the "Agreement") with the major mining company to assist in the funding of this stage of testing on the two (2) separate brine samples. During the testing period, the mining company will have the right to continue to work with OWL to advance the technology by contributing to the financing of a phase two program to continue the R&D work on the technology.

The Phase two program will include expanding lab facilities, purchasing additional equipment and the hiring of additional lab workers which will all lead to the construction of an initial containerized pilot plant for the further testing of lithium recovery from natural brine and slurries.

Closing of a Term Loan Financing

The Company also announces a first tranche closing pursuant to its previous news release of April 4, 2025. The Company has entered into Loan Agreements (the "Loans") with lenders borrowing a total of \$107,200. The Loans are unsecured and will bear interest of 8% per annum. The term of the Loans will be twelve (12) months or five (5) business days following a written notice of the Company that the Company has raised a minimum of one million dollars through an equity or debt financing.

As an inducement for the Loans, the Company has issued an aggregate of 3,573,332 share purchase warrants to the lenders. Each share purchase warrant will entitle the holder to purchase one common share

of the Company at an exercise price of C\$0.05 for a period of twenty-four (24) months expiring on July 15, 2027. All securities issued under the Loan will be subject to four (4) months and one day hold period expiring November 16, 2025.

The net proceeds from the Loans will be used to further the research and development of the lithium extraction process described above, and for working capital.

Doug Fulcher, President, CEO states: "This is a huge step forward for the Company, securing the necessary funds to carry out this test work and to having additional natural brine and clay samples to extract lithium from which will further validate the DLCE Technology."

About One World Lithium

One World Lithium Inc. remains focused on properties of merit that may contain lithium. The Company is also focused on commercial application of the extraction technology for natural brine and for slurries made from clay, pegmatite, volcanic rock and sediment. For more information, visit: <https://oneworldlithium.com/>.

On behalf of the Board of Directors of One World Lithium Inc.,

"Douglas Fulcher"

President and Chief Executive Officer

For further information please visit www.oneworldlithium.com or email info@oneworldlithium.com or call 604-564-2017 Ext 3.

Forward-Looking Information: This press release may include forward looking information within the meaning of Canadian securities legislation. Forward looking information is based on certain key expectations and assumptions made by the management of the OWL, including, but not limited to: (I) the ability of the OWL to further develop its DLCE Technology to change the lithium extraction industry, and (II) OWL's ability to commercialize its lithium extraction technologies. Although OWL believes that the expectations and assumptions on which such forward looking information is based are reasonable, undue reliance should not be placed on the forward-looking information because OWL can give no assurance that they will prove to be correct. There can be no assurance that such statements will prove to be accurate and actual results and future events could differ materially from the those anticipated in such statements, important factors that could cause actual results to differ materially from the company's expectations include: (I) the inability of OWL to commercialize its DLCE Technology (II) OWL's inability to execute its business plan and raise any required financing, (III) risks and market fluctuations common to the mining industry and lithium sector in particular, and (IV) advancements in other new direct lithium extraction technologies. The reader is cautioned that assumptions used in the preparation of any forward-looking information may prove to be incorrect. Events or circumstances may cause actual results to differ materially from those predicted, as a result of numerous known and unknown risks, uncertainties, and other factors, some of which are beyond the control of the OWL. The reader is cautioned not to place undue reliance on any forward-looking information contained in this press release.

Neither the Canadian Securities Exchange nor its Market Regulator (as that term is defined in the policies of the Canadian Securities Exchange) accepts responsibility for the adequacy or accuracy of this release

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