

September 4, 2018



Standard Lithium Appoints Robert Cross as Non-Executive Chairman

VANCOUVER, British Columbia, Sept. 04, 2018 (GLOBE NEWSWIRE) -- **Standard Lithium Ltd.** ("Standard Lithium" or the "Company") (TSXV: SLL) (OTCQX: STLHF) (FRA: S5L), is pleased to announce the appointment of Robert Cross to its Board of Directors as Non-Executive Chairman, effective immediately.

"Mr. Cross is a seasoned leader and one of the most accomplished and respected professionals in the energy and mining sector," stated Robert Mintak, CEO of Standard Lithium. "Bob has a deep understanding and appreciation of our projects and his career experience in capital markets and in leading strategic transactions will help Standard's senior management and Board achieve significant value for our shareholders."

Mr. Cross commented, "I have known the senior management team at Standard for a number of years and believe that their disciplined development approach that leverages existing infrastructure through agreements with permitted commercial brine operators positions Standard as one of the most advanced lithium development companies globally."

Mr. Cross is an engineer with 25 years of experience as a financier and company builder in the mining and oil & gas sectors. He co-founded and serves as Chairman of B2Gold, a top performing growing gold producer which will achieve almost one million ounces of low cost gold production in 2018. He was also co-founder and Chairman of Bankers Petroleum Ltd., co-founder and Chairman of Petrodorado Energy Ltd., and until October 2007, was the Non-Executive Chairman of Northern Orion Resources Inc. Between 1996 and 1998, Mr. Cross was Chairman and CEO of Yorkton Securities Inc. From 1987 to 1994, he was a Partner, Investment Banking with Gordon Capital Corporation in Toronto. Mr. Cross has an Engineering Degree from the University of Waterloo (1982) and received an MBA from Harvard in 1987.

In connection with the appointment of Mr. Cross, the Board of Directors has approved the grant of 2,000,000 incentive stock options to directors, senior management and consultants of the Company. The options are exercisable at a price of \$1.40 for a period of sixty months. Completion of the grant is subject to the approval of the TSX Venture Exchange.

About Standard Lithium Ltd.

The Company's flagship project is in southern Arkansas, where it is engaged in the testing and proving of commercial viability of lithium extraction from over 150,000 acres of permitted brine operations and also the resource development of over 30,000 acres of separate brine leases, both located in the Smackover formation. It is also engaged in the exploration and resource development of approximately 45,000 acres at the Bristol and Cadiz Dry Lake lithium projects located in the Mojave Desert in San Bernardino County, California.

Standard Lithium is listed on the TSX Venture Exchange under the trading symbol "SLL";

quoted on the OTCQX under the symbol “STLHF”; and on the Frankfurt Stock Exchange under the symbol “S5L”. Please visit the Company’s website at www.standardlithium.com.

For further information, contact Anthony Alvaro at (604) 240 4793

On behalf of the Board,

Standard Lithium Ltd.
Robert Mintak, CEO & Director

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This news release may contain certain “Forward-Looking Statements” within the meaning of the United States Private Securities Litigation Reform Act of 1995 and applicable Canadian securities laws. When used in this news release, the words “anticipate”, “believe”, “estimate”, “expect”, “target”, “plan”, “forecast”, “may”, “schedule” and other similar words or expressions identify forward-looking statements or information. These forward-looking statements or information may relate to future prices of commodities, accuracy of mineral or resource exploration activity, reserves or resources, regulatory or government requirements or approvals, the reliability of third party information, continued access to mineral properties or infrastructure, fluctuations in the market for lithium and its derivatives, changes in exploration costs and government regulation in Canada and the United States, and other factors or information. Such statements represent the Company’s current views with respect to future events and are necessarily based upon a number of assumptions and estimates that, while considered reasonable by the Company, are inherently subject to significant business, economic, competitive, political and social risks, contingencies and uncertainties. Many factors, both known and unknown, could cause results, performance or achievements to be materially different from the results, performance or achievements that are or may be expressed or implied by such forward-looking statements. The Company does not intend, and does not assume any obligation, to update these forward-looking statements or information to reflect changes in assumptions or changes in circumstances or any other events affecting such statements and information other than as required by applicable laws, rules and regulations.

Source: Standard Lithium Ltd.