

March 20, 2019



Standard Lithium Engages WorleyParsons' Advisian for Preliminary Economic Assessment of Its Southern Arkansas Project

VANCOUVER, British Columbia, March 20, 2019 (GLOBE NEWSWIRE) -- **Standard Lithium Ltd.** ("Standard Lithium" or the "Company") (TSXV: SLL) (OTCQX: STLHF) (FRA: S5L), is pleased to announce that it has engaged Advisian, the consulting arm of WorleyParsons Canada Services Ltd (WorleyParsons) to complete a Preliminary Economic Assessment (PEA) of its flagship 150,000 acre project in the south-central region of Arkansas, USA.

Advisian is part of WorleyParsons, one of the world's largest engineering and project delivery firms, servicing the global resource, energy, and infrastructure markets with 26,910 personnel across 115 offices in 42 countries around the globe. Advisian and WorleyParsons have carried out many lithium studies for brine and produced-water projects in North and South America for a range of operating and development-stage clients. WorleyParsons also has extensive experience in planning, developing and building chemical plants in the US Gulf Coast region.

Standard Lithium has engaged Advisian to complete an AACE Class 5 Preliminary Economic Assessment of its flagship 150,000-acre lithium brine project in Southern Arkansas, with a projected accuracy for CAPEX and OPEX of +/- 50%. The PEA will be established using a baseline production of approximately 20,000 tonnes per annum (TPA) of lithium carbonate, and it is expected that the report will be completed towards the end of Q2 2019.

Dr. Andy Robinson, Standard Lithium President and COO, commented, *"Myself and the Standard Lithium team are very familiar with the high level of quality and technical rigour that Advisian will bring to this PEA. Their deep experience in the lithium brine processing and crystallisation world, combined with a long track record of working in the US Gulf Coast region is ideal for evaluating Standard Lithium's unique and advanced lithium brine project in southern Arkansas."*

Quality Assurance

Raymond Spanjers, Registered Professional Geologist (SME No. 3041730), is a qualified person as defined by NI 43-101, and has supervised the preparation of the scientific and technical information that forms the basis for this news release. Mr. Spanjers is not independent of the Company as he is an officer in his role as Vice President, Exploration and Development.

About Standard Lithium Ltd.

Standard Lithium (TSX: SLL) is a specialty chemical company focused on unlocking the

value of existing large-scale US based lithium-brine resources. The company believes new lithium production can be brought on stream rapidly by minimizing project risks at selection stage (resource, political, geographic, regulatory & permitting), and by leveraging advances in lithium extraction technologies and processes. The Company's flagship project is located in southern Arkansas, where it is engaged in the testing and proving of the commercial viability of lithium extraction from over 150,000 acres of permitted brine operations utilizing the Company's proprietary selective extraction technology. The Company is also pursuing the resource development of over 30,000 acres of separate brine leases located in southwestern Arkansas and approximately 45,000 acres of mineral leases 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 OTC - Nasdaq Intl Designation under the symbol "STLHF"; and on the Frankfurt Stock Exchange under the symbol "S5L". Please visit the Company's website at www.standardlithium.com.

Contact Information:

LHA Investor Relations, Mary Magnani, (415) 433-3777, standardlithium@lhai.com

On behalf of the Board,

Standard Lithium Ltd.

Robert Mintak, CEO & Director

Neither TSX Venture Exchange nor its Regulation Services Provider (as that term is defined in policies of the TSX Venture Exchange) accepts responsibility for the adequacy or accuracy of this release. 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