



## **Management's Discussion and Analysis**

**FOR THE THREE AND NINE MONTHS ENDED MARCH 31, 2024**

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# STANDARD LITHIUM LTD.

## Management's Discussion and Analysis

For the Three and Nine Months Ended March 31, 2024

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### INTRODUCTION

The following management's discussion and analysis ("MD&A") for Standard Lithium Ltd. was prepared by management based on information available as of May 7, 2024 and it should be reviewed in conjunction with the unaudited condensed consolidated interim financial statements and related notes thereto of the Company for the three and nine months ended March 31, 2024 and the audited consolidated financial statements and the notes thereto of the Company for the year ended June 30, 2023. The unaudited condensed consolidated interim financial statements have been prepared in accordance with International Accounting Standard 34, *Interim Financial Reporting* (IAS 34). All dollar figures are expressed in thousands ("000") of Canadian dollars unless otherwise stated, except for share and per share amounts. These documents and additional information on the Company are available on SEDAR+ at [www.sedarplus.ca](http://www.sedarplus.ca) and on EDGAR at [www.sec.gov](http://www.sec.gov).

References in this MD&A to "Standard Lithium", "Standard", "SLI", "our" and "the Company" mean Standard Lithium Ltd., unless the context clearly requires otherwise.

Additional information related to the Company, including the Company's AIF (as defined below), is available under the Company's SEDAR+ profile at [www.sedarplus.ca](http://www.sedarplus.ca) and on EDGAR at [www.sec.gov](http://www.sec.gov). Unless indicated, additional external information, and documents referenced within this MD&A, do not form part of this MD&A.

### FORWARD-LOOKING INFORMATION

Except for statements of historical fact, this MD&A contains certain "forward-looking information" within the meaning of applicable Canadian securities legislation and "forward-looking statements" within the meaning of the United States Private Securities Litigation Reform Act of 1995 (collectively referred to herein as "forward-looking information"). The statements relate to future events or the Company's future performance. All statements, other than statements of historical fact, may be forward-looking information. Information concerning mineral resource and mineral reserve estimates also may be deemed to be forward-looking information in that it reflects a prediction of mineralization that would be encountered if a mineral deposit were developed and mined. Forward-looking information generally can be identified by the use of words such as "seek", "anticipate", "plan", "continue", "estimate", "expect", "may", "will", "project", "predict", "propose", "potential", "target", "intend", "could", "might", "should", "believe", "scheduled", "implement" and similar words or expressions. These statements involve known and unknown risks, uncertainties and other factors that may cause actual results or events to differ materially from those anticipated in such forward-looking information.

In particular, this MD&A contains forward-looking information, including, without limitation, with respect to the following matters or the Company's expectations relating to such matters: the Company's planned exploration, research and development programs (including, but not limited to, plans and expectations regarding advancement, testing and operation of the lithium extraction Demonstration Plant (as defined below) (formerly pilot plant)); commercial opportunities for lithium products; delivery of studies; filing of technical reports; expected results of exploration; accuracy of mineral or resource exploration activity; accuracy of mineral reserves or mineral resources estimates, including the ability to develop and realize on such estimates; whether mineral resources will ever be developed into mineral reserves, and information and underlying assumptions related thereto; budget estimates and expected expenditures by the Company on its properties; regulatory or government requirements or approvals; the reliability of third party information; continued access to mineral properties or infrastructure; payments and share issuances pursuant to property agreements; fluctuations in the market for lithium and its derivatives; expected timing of the expenditures; performance of the Company's business and operations; changes in exploration costs and government regulation in Canada and the United States; competition for, among other things, capital, acquisitions, undeveloped lands and skilled personnel; changes in commodity prices and exchange rates; currency and interest rate fluctuations; the Company's funding requirements and ability to raise capital; geopolitical instability; war (such as Russia's invasion of Ukraine and ongoing conflict in the Middle East); and other factors or information.

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Forward-looking information does not take into account the effect of transactions or other items announced or occurring after the statements are made. Forward-looking information is based upon a number of expectations and assumptions and is subject to a number of risks and uncertainties, many of which are beyond the Company's control, that could cause actual results to differ materially from those that are disclosed in or implied by such forward-looking information. With respect to forward-looking information listed above, the Company has made assumptions regarding, among other things: current technological trends; ability to fund, advance and develop the Company's properties; the Company's ability to operate in a safe and effective manner; uncertainties with respect to receiving, and maintaining, mining, exploration, environmental and other permits; pricing and demand for lithium, including that such demand is supported by growth in the electric vehicle market and the energy storage market; impact of increasing competition; commodity prices, currency rates, interest rates and general economic conditions; the legislative, regulatory and community environments in the jurisdictions where the Company operates; impact of unknown financial contingencies; market prices for lithium products; budgets and estimates of capital and operating costs; estimates of mineral resources and mineral reserves; reliability of technical data; the ability to negotiate access agreements on commercially reasonable terms, anticipated timing and results of operation and development; inflation; and the impacts of war (such as Russia's invasion of Ukraine and ongoing conflict in the Middle East) on the Company and its business. Although the Company believes that the assumptions and expectations reflected in such forward-looking information are reasonable, the Company can give no assurance that these assumptions and expectations will prove to be correct. Since forward-looking information inherently involves risks and uncertainties, undue reliance should not be placed on such information.

Forward-looking information involves known and unknown risks, uncertainties and other factors that may cause the actual results, performance or achievements of the Company to be materially different from any future results, performance or achievements expressed or implied by the forward-looking information. Such factors include, but are not limited to: general economic conditions in Canada, the United States and globally; industry conditions, including the state of the electric vehicle market and the energy storage market; governmental regulation of the mining industry, including environmental regulation; geological, technical and drilling problems; unanticipated operating events; negotiation of commercial access agreements, competition for and/or inability to retain drilling rigs and other services and to obtain capital, undeveloped lands, skilled personnel, equipment and inputs; reliance on third parties; potential joint ventures; the availability of capital on acceptable terms; the need to obtain required approvals from regulatory authorities; uncertainties associated with estimating mineral resources and mineral reserves, including uncertainties relating to the assumptions underlying mineral resource and mineral reserve estimates; whether mineral resources will ever be converted into mineral reserves; uncertainties in estimating capital and operating costs, cash flows and other project economics; liabilities and risks, including environmental liabilities and risks inherent in mineral extraction operations; health and safety risks; risks related to unknown financial contingencies, including litigation costs, on the Company's operations; unanticipated results of exploration activities; unpredictable weather conditions; unanticipated delays in preparing technical studies; inability to generate profitable operations; restrictive covenants in debt instruments; lack of availability of additional financing on terms acceptable to the Company; intellectual property ("IP") risk; stock market volatility; volatility in market prices for commodities; liabilities inherent in the mining industry; inflation risks; risks related to war (such as Russia's invasion of Ukraine and ongoing conflict in the Middle East); changes in tax laws and incentive programs relating to the mining industry; other risks pertaining to the mining industry; conflicts of interest; dependency on key personnel; and fluctuations in currency and interest rates, as well as those factors discussed in the section entitled "Risk Factors" in the Company's annual information form for the year ended June 30, 2023 (the "AIF").

Although the Company has attempted to identify important factors that could cause actual actions, events or results to differ materially from those described in forward-looking information, there may be other factors that cause actions, events or results to differ from those anticipated, estimated or intended.

Readers are cautioned that the foregoing lists of factors are not exhaustive. All forward-looking information in this MD&A speaks as of the date of this MD&A. The Company does not undertake any obligation to update or revise any forward-looking information, whether as a result of new information, future events or otherwise, except as required by law. All forward-looking information contained in this MD&A is expressly qualified in its entirety by this cautionary statement. Additional information about these assumptions and risks and uncertainties is contained in the Company's filings with

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securities regulators, including the Company's most recent AIF, which are available on SEDAR+ at [www.sedarplus.ca](http://www.sedarplus.ca) and EDGAR at [www.sec.gov](http://www.sec.gov).

### CAUTIONARY NOTES TO U.S. INVESTORS CONCERNING RESOURCE ESTIMATES

This MD&A has been prepared in accordance with the requirements of the securities laws in effect in Canada, which differ from the requirements of the securities laws in effect in the U.S. In particular, and without limiting the generality of the foregoing, the terms "mineral reserve", "proven mineral reserve", "probable mineral reserve", "inferred mineral resources", "indicated mineral resources", "measured mineral resources" and "mineral resources" used or referenced in this MD&A are Canadian mineral disclosure terms as defined in accordance with National Instrument 43-101 – *Standards of Disclosure for Mineral Projects* ("**NI 43-101**") under the guidelines set out in the 2014 Canadian Institute of Mining, Metallurgy and Petroleum Standards for Mineral Resources and Mineral Reserves, Definitions and Guidelines, May 2014 (the "**CIM Standards**"). The CIM Standards differ from the mineral property disclosure requirements of the U.S. Securities and Exchange Commission (the "**SEC**") in Regulation S-K Subpart 1300 (the "**SEC Modernization Rules**") under the U.S. Securities Act of 1933, as amended (the "**Securities Act**").

As a foreign private issuer that is eligible to file reports with the SEC pursuant to the multi-jurisdictional disclosure system, the Company is not required to provide disclosure on its mineral properties under the SEC Modernization Rules and will continue to provide disclosure under NI 43-101 and the CIM Standards. Accordingly, the Company's disclosure of mineralization and other technical information may differ significantly from the information that would be disclosed had the Company prepared the information under the standards adopted under the SEC Modernization Rules.

### SUMMARY OF STANDARD LITHIUM'S BUSINESS

Standard Lithium is a leading near-commercial lithium company focused on the sustainable development of a portfolio of lithium-brine bearing properties in the United States. The Company prioritizes brine projects characterized by high-grade resources, robust infrastructure, skilled labor, and streamlined permitting. The Company aims to achieve sustainable, commercial-scale lithium production via the application of a scalable and fully integrated Direct Lithium Extraction ("**DLE**") and purification process. Recognized as a critical mineral, lithium holds strategic importance for the rapidly expanding sectors of electric vehicles and renewable energy storage, further influencing the broader economy and national security.

The Company's flagship projects, the South West Arkansas Project (as defined below) and the Lanxess Project (as defined below), are located on the Smackover Formation in southern Arkansas near the Louisiana Stateline, a region with a long-standing and established industry of mineral extraction from brine.

The Company considers the South West Arkansas Project and the Lanxess Project to be separate and independent projects, as they are not contiguous or located within immediate proximity of each other, do not share common ownership of underlying brine rights, and are unlikely to be developed using common infrastructure or financing. The resource development project in southwest Arkansas (the "**South West Arkansas Project**"), encompassing a significant land area of over 27,000 acres, is a key project in our portfolio due to its scale and the quality of its lithium-brine resources. The Company completed a Preliminary Feasibility Study ("**PFS**") in the third quarter of 2023 for the South West Arkansas Project. A Definitive Feasibility Study ("**DFS**") is currently targeted to be completed in 2024 following completion of which, construction is targeted to begin in 2025 and first production is expected in 2027, subject to continued project definition, due diligence, available financing and positive DFS results.

The Lanxess Project encompasses a suite of contemplated staged expansion projects related to the South, Central, and West Brine Production Units operated by LANXESS Corporation ("**LANXESS**") in Arkansas. These three brownfield brine processing facilities collectively cover a vast 150,000 acres of unitized leases in southern Arkansas (the "**Lanxess Project**"). The most advanced initiative within the Lanxess Project is Phase 1A, where we plan to establish our first commercial lithium extraction plant. The Company has been successfully operating an industrial-scale DLE demonstration plant (the "Demonstration Plant") at the Phase 1A location for over three years. The Demonstration Plant serves as a testing and

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optimization facility, refining the commercial blueprint for scalable and replicable DLE processes. In Q4 of 2023, the Company completed a DFS for Phase 1A, which is planned to be situated at the LANXESS South Plant. This innovative project, utilizing DLE technology to extract lithium from an existing brine pipeline system, aims to produce battery-quality lithium carbonate. The Company is advancing toward a Final Investment Decision (the "FID") for Phase 1A, with the timing contingent upon ongoing project definition, the finalization of commercial agreements with LANXESS, and the completion of project financing initiatives. A positive FID will set the stage for initial production, which is currently targeted for 2026.

Additionally, the Company has identified and begun extensive leasing for prospective lithium brine areas within the Smackover Formation in East Texas. Our interests also extend to certain mineral leases in the Mojave Desert, San Bernardino County, California.

### CORPORATE SUMMARY

The Company was incorporated under the laws of the Province of British Columbia on August 14, 1998, under the name "Tango Capital Corp." Effective April 7, 1999, Tango Capital Corp. changed its name to "Patriot Capital Corp." Effective March 5, 2002, Patriot Capital Corp. changed its name to "Patriot Petroleum Corp." On December 1, 2016, the Company changed its name to "Standard Lithium Ltd." and continued its corporate existence from the *Business Corporations Act* (British Columbia) to the *Canada Business Corporations Act*.

The Company is listed on the TSX Venture Exchange and the NYSE American, LLC under the symbol "SLI". The Company is a reporting issuer in each of the Provinces and Territories of Canada and files its continuous disclosure documents with the Canadian Securities Authorities in such Provinces and Territories. Such documents are available on SEDAR+ at [www.sedarplus.ca](http://www.sedarplus.ca) and on EDGAR at [www.sec.gov](http://www.sec.gov).

The Company's corporate office is located at Suite 1625, 1075 West Georgia Street, Vancouver, British Columbia, V6E 3C9 and its registered office is located at Suite 2200, 885 West Georgia Street, Vancouver, British Columbia, V6C 3E8.

### HIGHLIGHTS FOR THE NINE MONTHS ENDED MARCH 31, 2024

- On July 5, 2023, the Company appointed David Park as Senior Strategic Advisor of the Company.
- On August 8, 2023, the Company announced positive results of a PFS for the South West Arkansas Project, including an upgraded mineral resource for a portion of the project.
- On September 6, 2023, the Company announced positive results of a DFS for the Lanxess Project ("**Lanxess DFS**").
- On September 13, 2023, the Company announced it had acquired 118 acres of land within the South West Arkansas Project providing a strategic location that enhances the project's development options.
- On September 18, 2023, the Company filed a PFS and updated mineral resource for the South West Arkansas Project.
- On October 1, 2023, the Company appointed Salah Gamoudi as Chief Financial Officer following Kara Norman's appointment as Chief Accounting Officer of the Company.
- On October 8, 2023, the Company appointed Michael Barman as Chief Development Officer.
- On October 18, 2023, the Company filed the Lanxess DFS, which comprised a mineral reserve and resource estimate on Phase 1A of the Lanxess Project.

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- On October 31, 2023, the Company exercised its option agreement with TETRA Technologies Inc. to acquire brine production rights for the South West Arkansas Project.
- On December 1, 2023, LANXESS announced its intention to act as a brine supplier for the Phase 1A Project (as defined below), allowing the Company further optionality to seek project level equity investments and offtake arrangements.
- On January 24, 2024, the Company announced that Ausenco Engineering Canada ULC has been selected to complete the Definitive Feasibility Study and Front-End Engineering Design services for the South West Arkansas Project.
- On March 13, 2024, the Company announced the successful installation of a commercial scale full-size Direct Lithium Extraction column at its demonstration plant near El Dorado, Arkansas. The column is a LiPro™ Lithium Selective Sorption ("LSS") unit, supplied by Koch Technology Solutions, LLC ("KTS").
- During the nine months ended March 31, 2024, the Company issued 9,320,559 common shares of the Company (the "**Shares**") for proceeds of \$19,623 net of transactions cost of \$1,504 under the Company's at-the-market (the "**ATM**") offering.

### EVENTS SUBSEQUENT TO THE NINE MONTHS ENDED MARCH 31, 2024

Subsequent to March 31, 2024, the Company issued 1,292,500 common shares for proceeds of \$2,046 net of transaction costs of \$103 under the Company's ATM offering.

On May 7, 2024, Equinor ASA, an arms-length party, acquired an interest in two Standard Lithium subsidiaries, one of which holds Standard Lithium's South West Arkansas Project and the other the East Texas Project (the "**Equinor Transaction**"). We believe that the partnership between Standard Lithium and Equinor is strategic and complementary. The Equinor Transaction combines the Company's DLE and Smackover brine processing expertise, and attractive assets, with a global energy major with deep experience in sub-surface assessment and production, project development, financing, construction and operations.

We believe that the Equinor Transaction significantly de-risks project execution for Standard Lithium, and allows for development at the South West Arkansas Project. The Equinor Transaction immediately strengthens Standard Lithium's financial position by providing immediate parent company level liquidity, in addition to significantly reduced future capital requirements to reach a final investment decision. We further believe that we have strong alignment between Standard Lithium and Equinor to develop a sustainable lithium business, adhering to high levels of environmental and social responsibility.

Pursuant to the terms of the Equinor Transaction, Equinor acquired a 45% interest in each of the subsidiaries for an initial cash payment of US\$30 million to Standard Lithium and the commitment to invest up to an additional US\$130 million as follows:

- Equinor to solely fund the first US\$40 million of development costs at South West Arkansas Project, after which all additional capital expenditures would be funded on a *pro-rata* basis;
- Equinor to solely fund the first US\$20 million in exploration and development costs at the East Texas Project, after which all additional capital expenditures would be funded on a *pro rata* basis;

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- Standard Lithium will receive up to US\$70 million in milestone payments associated with the South West Arkansas Project and the East Texas Project subject to final investment decisions being made by certain dates.
- Standard Lithium will maintain majority ownership and operatorships pursuant to a Development Services Agreements at each of South West Arkansas Project and the East Texas Project;
- Each subsidiary will be operated with a management structure that integrates the expertise and resources from both companies; and
- No parent-level common equity ownership dilution at Standard Lithium as a result of the Equinor Transaction.

### PROJECT OVERVIEW

Standard Lithium currently has the following material projects:

#### LANXESS PROJECT

In accordance with the amended and restated memorandum of understanding (the “**Lanxess MOU**”) dated February 23, 2022, Standard Lithium has established a framework for cooperation with LANXESS. The Lanxess MOU, which replaces previous agreements from May 4, 2018, and the joint venture term sheet from November 9, 2018, sets out the terms for advancing the Phase 1A Project, located within the LANXESS South Facility. The structured collaboration with LANXESS will result in definitive commercial agreements that include the supply and management of brine resources, leasing of the commercial production site facilities for the development of the first commercial lithium project in Arkansas to be constructed at the Lanxess Project (the “**Phase 1A Project**”), and provision of certain infrastructure services by LANXESS. These negotiations are expected to formalize the operational framework for the Phase 1A Project. Standard Lithium will retain ownership and control over the marketing of the lithium carbonate produced from the Phase 1A Project. The Company has the discretion to pursue additional strategic partnerships at the project level to support the project's development and enhance its economic potential.

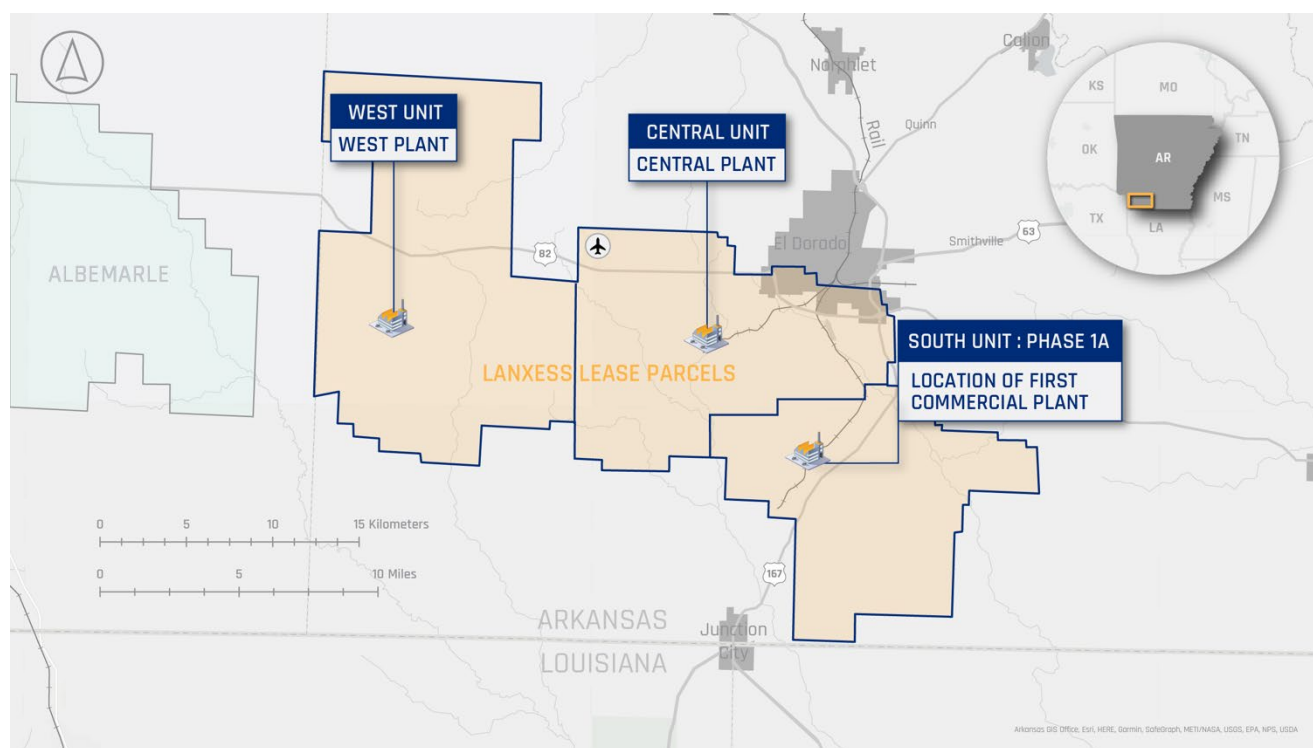
The strategy for the Phase 1A Project leverages the established infrastructure and the current permitting framework at the LANXESS South Facility, which will enable an effective scale-up of the Company's DLE process. This phase aims to validate the commercial viability of the DLE technology, with plans to replicate this process across Standard Lithium's Smackover Formation assets in a manner consistent with the Company's operational objectives and financial considerations.

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### THE LANXESS PROJECT



- Located 10 kilometers from El Dorado, Arkansas, in a geopolitically stable, business-friendly, and cost-efficient region.
- One of the largest lithium brine projects in the U.S., with a 2.8 million tonnes (“Mt”) lithium carbonate equivalent (LCE) measured and indicated mineral resource. Phase 1A is set to tap into approximately 5% of the total measured and indicated resource.
- Strategic partnership with LANXESS, a global chemical industry leader and operator of the largest brine processing operations in North America.
- Control of 150,000-acres across three brownfield sites within the Lanxess Project, utilizing existing commercial brine operations to expedite production.
- Completion of extensive testing has largely validated the commercial viability of lithium extraction using DLE technology, which processes the lithium from the brine by-product of LANXESS’s existing operations.
- The projected environmental footprint is minimal, benefiting from the use of existing industrial sites, infrastructure, and the environmentally considerate DLE technology.
- Strong support from stakeholders and the community.
- The projected initial production target is 5,700 tonnes per annum (“tpa”) of battery-quality (“BQ”) lithium carbonate.
- Estimated all-in operating costs are US\$7,390 per tonne of BQ lithium carbonate.
- Capital expenditures are estimated at US\$365 million, including a 15% contingency.



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For more detailed information regarding the Lanxess Project, please refer to the technical report titled "Technical Report for the Definitive Feasibility Study for Commercial Lithium Extraction Plant at Lanxess South Plant" dated October 18, 2023, as filed on the Company's SEDAR+ profile at [www.sedarplus.ca](http://www.sedarplus.ca) and on EDGAR at [www.sec.gov](http://www.sec.gov).

### Lanxess Project Background & Outlook

South Arkansas has a longstanding and established industry of mineral extraction from brine, with activities beginning in the 1950s. The Smackover Formation, a limestone aquifer stretching approximately 1,000 kilometers from central Texas to Florida, has been central to oil and gas production for over a century. Due to its high porosity and permeability, this formation is particularly suited for extensive brine pumping, processing, and reinjection. While the primary mineral historically extracted from this brine has been bromine, the resource is also rich in lithium.

With headquarters in Cologne, Germany, LANXESS maintains the most substantial brine extraction and processing operations in south Arkansas. This operation includes three distinct facilities: the South, West, and Central plants, each equipped with its brine supply, disposal system, and bromine processing facilities.

In 2018, Standard Lithium and LANXESS signed an agreement to test and prove the commercial viability of extracting lithium from brine ("**tail-brine**") at LANXESS' bromine extraction operation (see AIF for more information about the Lanxess Project information including history, ownership, geology and mineralization). The agreement has since been replaced by the Lanxess MOU.

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### *Lanxess Project – Demonstration Plant*



In May 2020, the Company commissioned its industrial-scale DLE Demonstration Plant at LANXESS' South Plant. The Demonstration Plant, which is the first-of-its-kind in the world, utilizes, among other technologies, the Company's proprietary DLE process to extract lithium from LANXESS' post bromine extraction tail-brine.

This Demonstration Plant serves as a testing and optimization facility, refining the commercial blueprint for scalable and replicable DLE processes. The focus is on extracting lithium from LANXESS' post bromine extraction tail-brine, yielding a high-purity lithium chloride (LiCl). This LiCl can then undergo further refinement into battery-quality lithium carbonate or lithium hydroxide. The highly automated three-story Demonstration Plant is complemented by adjacent separate buildings housing the control room, office, and an analytical laboratory, ensuring precise and monitored lithium extraction processes. The resulting high-purity lithium chloride is typically managed in the following ways: sample volumes of the LiCl material are either sent for analysis, or when applicable, they are sent off-site for further conversion into battery-quality lithium carbonate or lithium hydroxide. In the majority of cases, the material is returned, along with spent brine, for re-injection. The Company entered into the Lanxess MOU with LANXESS to streamline and expedite the development of Phase 1A Project, the first commercial lithium project in Arkansas to be constructed at the Lanxess Project. The overall objective is to produce battery-grade lithium carbonate from all three of the LANXESS facilities starting with the Lanxess South Plant. Each facility will have its own primary plant that will produce purified and concentrated lithium chloride solutions. These solutions will be conveyed, via pipelines, to one location (the Central Plant) for further processing to the final product – lithium carbonate.



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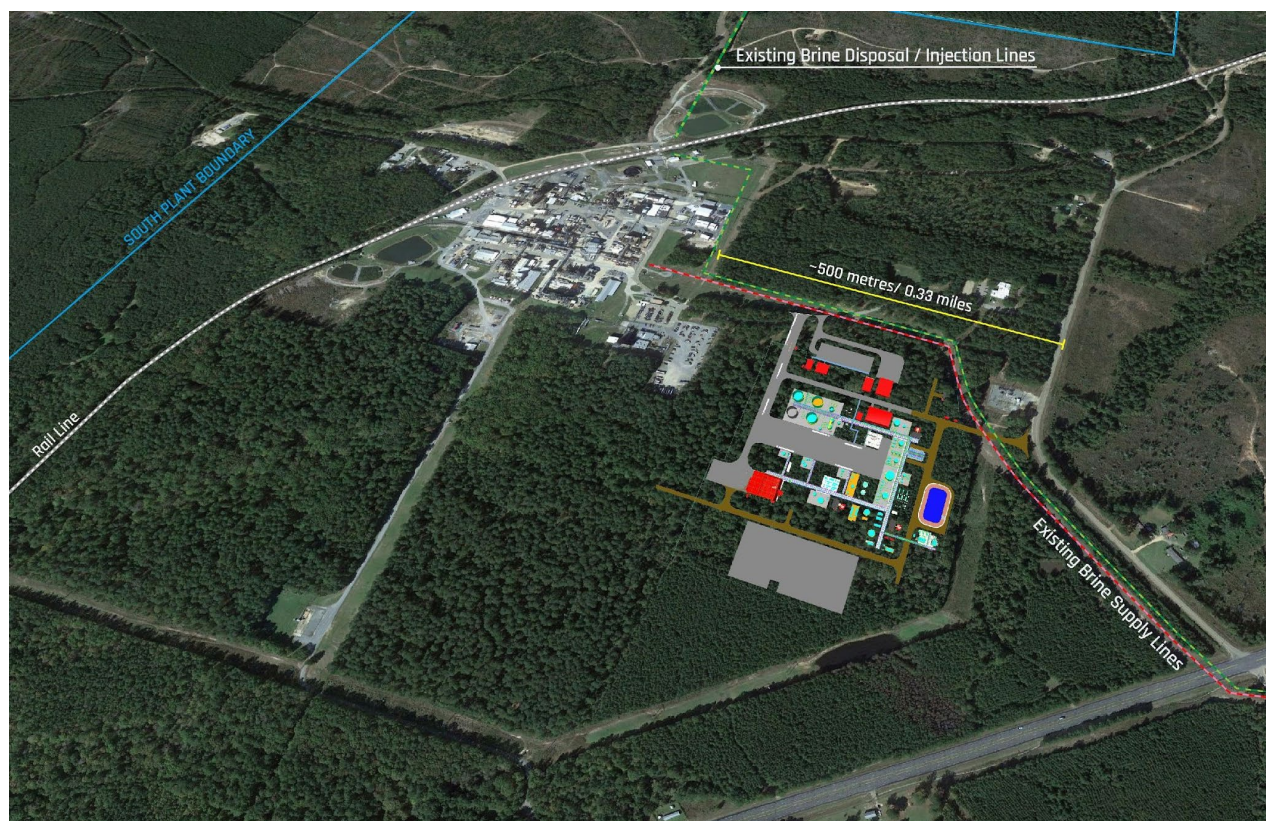
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Proposed location of Phase 1A commercial facility adjacent to LANXESS South Plant



The Company has filed three NI 43-101 technical reports for the Lanxess Project.

- In November 2018, the first mineral resource estimate was filed and comprised an inferred mineral resource estimate for lithium contained in brine.
- In August 2019, the Company filed a Preliminary Economic Assessment (“**PEA**”), which comprised an upgraded indicated mineral resource estimate for the Lanxess Project, as well as a PEA for proposed commercial plants at the Lanxess Project.
- In October 2023, the Company filed the current Lanxess DFS, which comprised a mineral reserve estimate on the Phase 1A Project and an updated mineral resource for the Lanxess Project.

On December 15, 2021, the Company announced that it signed a letter of intent with Koch Engineered Solutions (“**KES**”) for support with pre-FEED at the Company’s proposed first commercial plant located at the LANXESS facility in southern Arkansas.

On September 7, 2022, the Company announced that it had completed the FEED and DFS selection process for the Phase 1A Project and awarded the contract to OPD LLC, a Koch-owned business based in Katy, Texas. The Lanxess DFS was completed in Q3 2023. A final investment decision is expected to follow, and construction on the first commercial plant, adjacent to the Demonstration Plant, would begin soon after. The Company intends on expending additional funds during the upcoming year to advance the Lanxess Project.

On October 18, 2023, the Company filed the Lanxess DFS, which comprised a mineral reserve estimate on the Phase 1A Project.

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On October 27, 2022, the Company successfully commissioned a first-of-its-kind chloride-to-hydroxide conversion pilot plant. The plant was installed at the Lanxess Project and operates as a self-contained unit taking the lithium chloride feed produced by the existing Demonstration Plant and converting this feed directly into a lithium hydroxide solution using a novel ion-exchange process.

On December 6, 2022, the Company completed all of the necessary agreements with LANXESS to secure access to the proposed commercial plant site at the Lanxess Project and to conduct all required fieldwork to support the Lanxess DFS.

On December 1, 2023, Lanxess announced their intention to act as a brine supplier for the Phase 1A Project, allowing the Company further optionality to seek project level equity investments and offtake arrangements.

### Strong Partnerships Key to Success

The partnership between Standard Lithium and LANXESS allows the Company to demonstrate the commercial viability of the Lanxess Project and the DLE process. By connecting to LANXESS' existing permitted operations, the Company is saving both significant time and infrastructure costs.

On December 1, 2021, the Company closed the direct private placement by Koch Strategic Platforms, a subsidiary of Koch Investments Group, for aggregate gross proceeds of approximately \$127,070 (approximately US\$100,000). This investment has supported and continues to support the Company's efforts to:

- Rapidly advance the first commercial DLE project in North America at the Lanxess Project;
- Accelerate and expand the development of the Company's South West Arkansas Project;
- Continue to develop and commercialize modern lithium extraction and processing technologies, and work collaboratively with KES businesses; and
- Allow for strategic project expansion.

### Economics

The Lanxess Project economics were derived from inputs based on the annual production schedule, capital expense estimate, and operating expense estimate as set forth in the Lanxess DFS. The positive results from the economic analysis are summarized in the table below.

Description	Units	Values
Initial Annual Production of $\text{Li}_2\text{CO}_3$	tpa <sup>[1]</sup>	5,730 <sup>[2]</sup>
Average Annual Production of $\text{Li}_2\text{CO}_3$	tpa <sup>[1]</sup>	5,400
Plant Operating Life	Years	25 <sup>[3]</sup>
Total Capital Expenditures ("CAPEX")	Million US\$	365 <sup>[4,5]</sup>
Average Annual Operating Cost	US\$/t	6,810
Average Annual All-In Operating Cost	US\$/t	7,390 <sup>[6,7]</sup>
Selling Price	US\$/t	30,000 <sup>[8]</sup>

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Discount Rate	%	8
Net Present Value (NPV) Pre-Tax	Million US\$	772
Net Present Value (NPV) Post-Tax	Million US\$	550 <sup>[9]</sup>
Internal Rate of Return (IRR) Pre-Tax	%	29.5
Internal Rate of Return (IRR) Post-Tax	%	24.0

### Notes:

All model outputs are expressed on a 100% project ownership basis with no adjustments for project financing assumptions.

1. Tonnes (1,000 kg) per annum.
2. Initial annual production figure represents Year 2 production, following a ramp-up period in Year 1.
3. Plant design and financial modelling based on 25-year economic life. Proven and probable reserves support a 40-year operating life.
4. Capital expenditures include 15% contingency.
5. No inflation or escalation has been carried for the economic modelling.
6. Includes operating expenditures, assumed brine supply fees, and sustaining capital.
7. Brine lease-fees-in-lieu-of-royalties (to be approved by the Arkansas Oil and Gas Commission) have not been defined and are not currently included in the economic modelling.
8. Selling price of BQ lithium carbonate based on a flatline price of \$30,000/t over total project lifetime.
9. Assumes a US Federal tax rate of 21% and State of Arkansas Tax rate of 5.1%, as well as variable property taxes.
10. Any discrepancies in the totals are due to rounding effects.

### Expenditures and Operating Costs

Expenditures for the Demonstration Plant consist of operating costs for the Demonstration Plant which for the three months ended March 31, 2024 were \$1,975 (March 31, 2023 - \$4,428) and the nine months ended March 31, 2024, were \$7,177 (March 31, 2023 - \$10,403). The major changes in the Company's operating costs for the Demonstration Plant for the three months and the nine months ended March 31, 2024, was predominantly due to a decrease in supplies, personnel and reagents. The supplies costs decreased due to no significant operational changes in Q3-2024 compared to Q3-2023. The reagent costs were lower as the Company stopped running LiSTR and moved to Lithium Selective Sorption ("LSS"). The personnel costs decreased during Q3-2024 as all the plant employees transitioned to employees of the Company. See Overall Performance section for more details.

### SOUTH WEST ARKANSAS PROJECT

The South West Arkansas Project is maintained pursuant to an option agreement dated December 29, 2017, between TETRA Technologies Inc. ("TETRA") and the Company (the "TETRA 1st Option Agreement") to acquire certain rights to conduct brine exploration and production and lithium extraction activities on approximately 27,262 net mineral acres of brine leases and deeds located in Columbia and Lafayette Counties, Arkansas.

Thereunder, the Company paid TETRA US\$500 by January 28, 2018, US\$600 by December 29, 2018, US\$700 by January 31, 2020, and US\$750 by December 29, 2020. Under the TETRA 1st Option Agreement, the Company is also required to pay additional annual payments of US\$1,000 by each annual anniversary date beginning on the date that is 48 months following the date of the TETRA 1st Option Agreement, until the earlier of the expiration of 10 years from the date of the agreement or the execution of a limited mineral assignment, or, if the Company exercises the option, the Company beginning payment of a 2.5% percent royalty derived from the sale of lithium produced. During the lease period, as specified in the TETRA 1st Option Agreement, at any time following the commencement of commercial production of the

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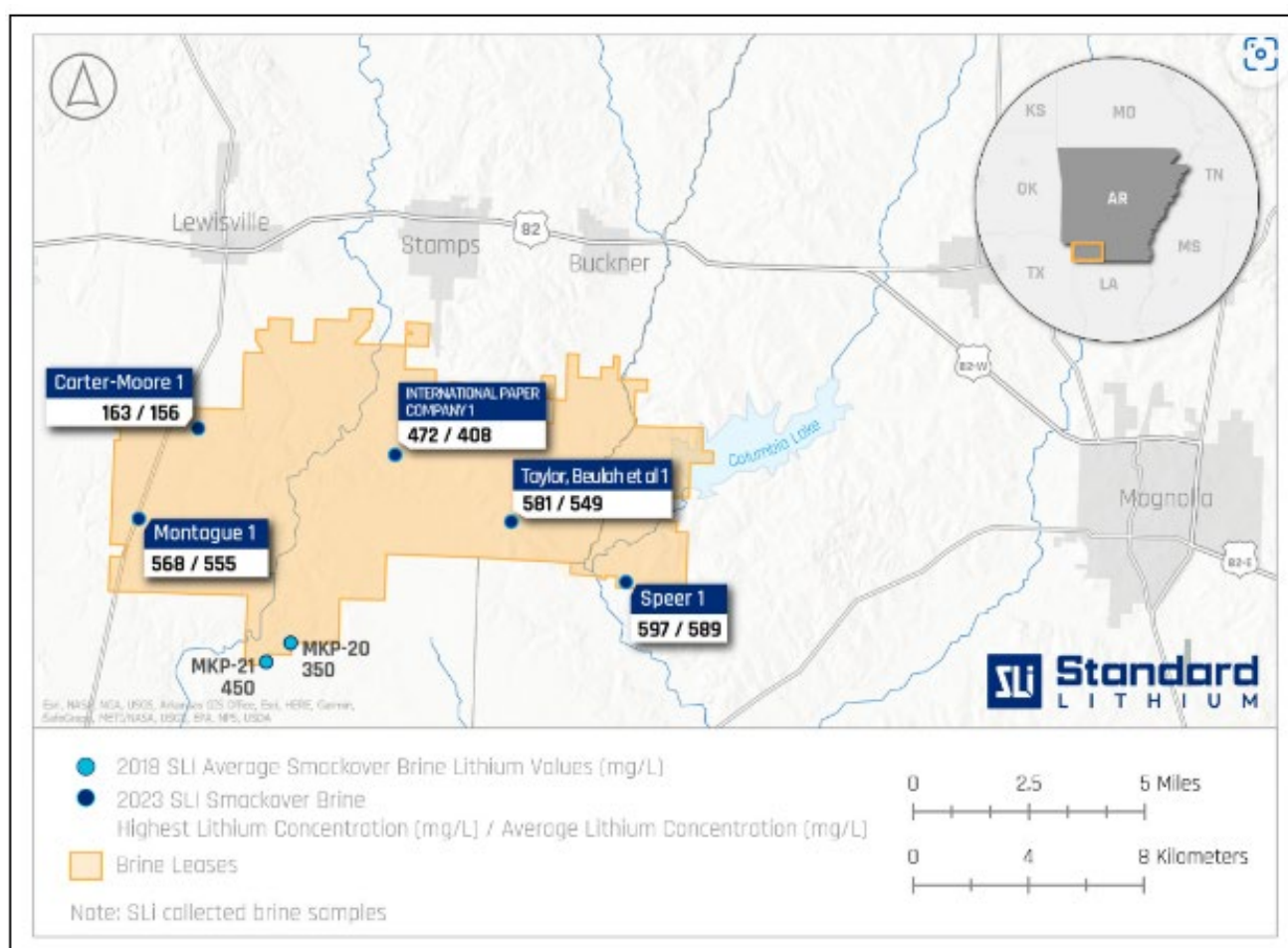
For the Three and Nine Months Ended March 31, 2024

lithium, the Company agreed to pay a royalty of 2.5% (minimum royalty US\$1,000) to TETRA. On October 31, 2023, the Company exercised the TETRA 1st Option Agreement.

The South West Arkansas Project brine lease area has been historically drilled for oil and gas exploration, and approximately 424 exploration and production wells have been completed in the Smackover Formation in or immediately adjacent to Company's lease area. A portion of these wells had available petro-physical logs of the Smackover Formation brine-bearing zone.

On August 8, 2023, the Company announced the results of a PFS on the South West Arkansas Project, and the highlights are provided below.

### SOUTH WEST ARKANSAS PROJECT



- 40 kilometres west of the Lanxess Project.
- 27,262-net mineral acres greenfield project.
- Indicated Resource of 1.43 Mt in the Upper Smackover FM and an Inferred Resource of 0.39 Mt in the Middle Smackover FM.



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# STANDARD LITHIUM LTD.

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- Average lithium grade of 437 milligrams per litre (mg/L).
- Filed PEA in November 2021 and commenced the PFS in May 2022.
- Filed PFS in September 2023.
- US\$4.47 billion pre-tax NPV.
- Targeted 30,000 tonne per annum lithium hydroxide monohydrate.
- Operating costs of US\$5,229 per tonne of lithium hydroxide.
- Capital expenditures of US\$1.27 billion including 20% contingency on direct capital costs.

Please refer to the technical report titled "NI 43-101 Technical Report, South West Arkansas Project" dated effective August 8, 2023 (the "**South West Arkansas PFS**"), as filed on the Company's SEDAR+ profile at [www.sedarplus.ca](http://www.sedarplus.ca) and on EDGAR at [www.sec.gov](http://www.sec.gov) for further information with respect to the South West Arkansas Project.

### South West Arkansas Project Background & Outlook

The South West Arkansas Project is approximately 40 km from the Lanxess Project and shares the same long history of oil and gas drilling and nearby brine extraction. There are 424 exploration and production wells greater than 2,234 m depth (7,000 ft) in or immediately adjacent to the South West Arkansas Project. A portion of these wells have available petrophysical logs of the Smackover Formation brine-bearing zone. Around 38 additional wells have core reports with porosity and permeability data.

In August 2018, the Company announced the analysis of four brine samples recovered from two existing wells in the South West Arkansas Project area. These samples reported lithium concentrations ranging between 347 to 461 mg/L, with an average of 450 mg/L in one of the wells, and 350 mg/L in the other – all higher grades than that of the Lanxess Project.

On May 2, 2022, the Company announced the commencement of a PFS at the South West Arkansas Project, and on August 8, 2023, the Company announced positive results of the South West Arkansas PFS, including an upgraded mineral resource for a portion of the project. The Company intends on expending funds during the upcoming year to advance the South West Arkansas Project, including advancing a DFS.

The Company has filed three NI 43-101 technical reports for the South West Arkansas Project:

- In March 2019, the first mineral resource estimate was filed and comprised an inferred mineral resource estimate for lithium contained in brine.
- In November 2021, the Company filed a PEA, which comprised an updated inferred mineral resource estimate for a unitized property, as well as a PEA for the proposed commercial plant at the property.
- In September 2023, the Company filed the South West Arkansas PFS which comprised an upgraded indicated mineral resource estimate for a portion of the property.

### South West Arkansas Project Economics – South West Arkansas PFS

The discounted cash flow economic analysis, at a discount rate of 8%, indicates that the South West Arkansas Project is economically viable. The key economic indicators – an **NPV of US\$4,473MM (pre-tax)** and an **IRR of 41.3% (pre-tax)**, are **very positive**.

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The South West Arkansas Project economics assumed a selling price of battery quality lithium hydroxide based on an initial price of US\$30,000/tonne in 2023, adjusted for inflation at 2% per annum. The results for IRR and NPV from the assumed CAPEX, OPEX and price scenario at full production, are presented in the table below.

### Economic Evaluation Summary

Description	Units	Values
Average Annual Production (as LiOH•H <sub>2</sub> O)	tpa <sup>[1]</sup>	30,000 <sup>[2]</sup>
Plant Operation	years	20
Total Capital Cost (CAPEX)	Million US\$	1,274 <sup>[3]</sup>
All-in OPEX per tonne	US\$/t	5,229
Selling Price	US\$/t	30,000 <sup>[5]</sup>
Average Annual Revenue	Million US\$	900 <sup>[6]</sup>
Discount Rate	%	8.0
Net Present Value (NPV) Pre-Tax	Million US\$	4,473
Net Present Value (NPV) Post-Tax	Million US\$	3,090
Internal Rate of Return (IRR) Pre-Tax	%	41.3
Internal Rate of Return (IRR) Post-Tax	%	32.8

#### Notes:

All model outputs are expressed on a 100% project ownership basis with no adjustments for project financing assumptions.

1. Metric tonnes (1,000 kg) per annum.
2. Total production for years 1 to 20 is 30,000 tpa lithium hydroxide.
3. AACE Class 4 estimate includes 20% contingency on direct capital costs.
4. Includes all operating expenditures, ongoing land costs, established Royalties, sustaining capital and allowance for mine closure.
5. Selling price of battery quality hydroxide based on a selling price of \$30,000/t in 2023, adjusted for inflation of 2% per annum.
6. Average annual revenue over projected 20 year mine-life



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# STANDARD LITHIUM LTD.

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Please refer to South West Arkansas PFS titled "NI-43-101 Technical Report South Arkansas Project Pre-Feasibility Study" dated September 18, 2023, as filed on the Company's SEDAR+ profile at [www.sedarplus.ca](http://www.sedarplus.ca) and on EDGAR at [www.sec.gov](http://www.sec.gov) for further information with respect to the South West Arkansas Project.

### Next Steps

On January 24, 2024 the Company announced the selection of Ausenco Engineering Canada to complete the Definitive Feasibility Study and Front-End Engineering Design Services ("FEED") for the South West Arkansas project. Target completion of the DFS is year-end 2024.

### South West Arkansas Project Related Risks and Uncertainties

As with any development project there exists risks and uncertainties. The Company will attempt to reduce risk/uncertainty through effective project management, engaging technical experts and developing contingency plans. See the Company's AIF with respect to highlights of risks and uncertainties which have been identified at this stage of project development.

### Expenditures

Expenditures for the South West Arkansas Project consist of exploration and evaluation costs which for the three months ended March 31, 2024 were \$2,685 (March 31, 2023 - \$1,606) and the nine months ended March 31, 2024, were \$8,337 (March 31, 2023 - \$5,139). The increase in the exploration and development costs for the South West Arkansas Project for the three months and the nine months ended March 31, 2023 was primarily due to exploration activity initiated by the Company and a drilling program to support its PFS and initiation of DFS and FEED during these periods.

### OTHER PROJECTS

The Company has also identified a number of highly prospective lithium brine project areas in the Smackover Formation in East Texas and began an extensive mineral leasing program to lease brine rights in the key project areas. The Company has completed an initial drilling and sampling program across these new project areas for the purposes of assessing viability for project expansion and future development, with positive results. See press release dated October 25, 2023 for more information. In addition, the Company has an interest in certain mineral leases located in the Mojave Desert in San Bernardino County, California.

### ENVIRONMENTAL

Standard Lithium is firmly committed to the responsible production of sustainable lithium chemicals, essential for the progression toward a lower carbon economy. Our project selection process underscores this dedication, opting, where feasible, to use existing infrastructure, roads, rail, water, and power within well-established industrial areas with a history of timber harvesting, oil, gas, and brine industries. Implementing DLE technology is aimed at ensuring an environmentally responsible approach, offering a reduced footprint and environmental impact when compared to traditional evaporation pond methods and hard-rock lithium mining operations.

Beyond our main operations, our environmental ethos is also evident. In September 2021, our collaboration with Aqualung Carbon Capture AS ("**Aqualung**") marked a significant step in advancing carbon capture technology. This partnership solidified in May 2022 when we made an investment in Aqualung. This was followed by a master service agreement (the "**MSA**") with Telescope Innovations Corp. ("**Telescope**"), signaling our intent to further investigate the possible applications of captured CO<sub>2</sub> in various chemical processes, emphasizing our forward-thinking approach to environmental sustainability.

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For the Three and Nine Months Ended March 31, 2024

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### SOCIAL RESPONSIBILITY AND COMMUNITY RELATIONS

The Company continuously seeks to forge robust relationships with all stakeholders, recognizing the crucial role of community involvement and mutual benefit. As we advance both the Lanxess Project and the South West Arkansas Project, community engagement remains paramount. Over the past year, we have proudly sponsored an array of community events, such as the El Dorado MusicFest, Holiday Lighting Ceremony, Independence Day Celebration, and the Mayhaw Festival. Moreover, in May 2022, in collaboration with Entergy, Adopt-a-Charger, and South Arkansas Community College, we facilitated the installation of six Level 2 – 240-volt EVCS charging stations in downtown El Dorado, Arkansas, free for public use.

South Arkansas is home to invaluable industry expertise, especially in the domain of brine extraction. Recognizing this, we've collaborated with institutions like the South Arkansas Community College in El Dorado to augment training programs. Such partnerships enrich the local workforce, readying them for industry-specific roles. The majority of our diverse team, spanning from engineers to administrative staff, are local residents, underscoring our commitment to community engagement and development.

### SCIENTIFIC AND TECHNICAL INFORMATION

The scientific and technical information contained in this MD&A has been reviewed and approved by Steve Ross, P. Geol., VP Resource Development of the Company, who is a "qualified person" as defined in NI 43-101.

### OVERALL PERFORMANCE

#### *Revenue*

As at March 31, 2024, the Company has not generated revenue.

#### *Operating loss*

The Company incurred an operating loss of \$10,358 for the three months ended March 31, 2024 and \$30,289 for the nine months ended March 31, 2024, as compared to \$7,101 for the three months ended and \$15,539 for the nine months ended March 31, 2023. The increase in operating loss relates to costs in share-based payments, salaries and benefits, management fees, consulting fees, and office and administration fees.

#### *General and administrative*

General and administrative costs ("G&A") are associated with the Company's Vancouver, BC corporate head office, the El Dorado office in Arkansas and related professional and corporate costs.

The G&A costs were \$1,164 for the three months ended March 31, 2024, and \$3,322 for the nine months ended March 31, 2024, as compared to \$820 for the three months ended March 31, 2023 and \$2,459 for the nine months ended March 31, 2023. The year-to-date increase is mainly due to higher insurance costs, information technology costs, the Vancouver head office lease, and costs associated with the growth of the El Dorado office in Arkansas as we continue to further expand our back office operations to support potential near term commercial production.

#### *Demonstration Plant operations (formerly Pilot Plant operations)*

Demonstration Plant operating costs relate to personnel, supplies, reagents, site office, utilities, repairs and maintenance, vehicle, waste and disposal recycling fees, and ongoing testing of the production end product. The overall costs decreased for the three months ended March 31, 2024, by \$2,453 from \$4,428 three months March 31, 2023, and the nine months ended March 31, 2024, by \$3,226 or 31.0% to \$7,177 from \$10,403 for the nine months ended March 31, 2023. The main

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## Management's Discussion and Analysis

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reasons are as follows: 1) there was no updates to the operation in Q3-2024 compared to Q3-2023 when the Company was testing the LSS columns and reconfiguring the plant; 2) The reagent costs were lower as the Company stopped running LiSTR and moved to LSS; and 3) the personnel costs decreased over nine months as all the plant employees were hired directly by the Company which reduced the billable rates paid to the intermediary companies.

### *Foreign exchange gain*

The Company recorded a foreign exchange gain of \$167 for the three months ended March 31, 2024, as compared to a foreign exchange loss of \$38 for three months ended March 31, 2023, and a foreign exchange gain of \$727 for the nine months ended March 31, 2024, as compared to a foreign exchange gain of \$5,192 for the nine months ended March 31, 2023. The United States Dollar ("USD") spot rate strengthened by 3.54% quarter over quarter. A stronger USD created a foreign exchange gain on the Company's income statement due to held cash on hand in USD. The decrease in the amount of the gain is due to less USD held at March 31, 2024.

### *Other income*

The Company earned \$205 of interest and other income, net of fees on the investment of cash on hand during the three months ended March 31, 2024 (March 31, 2023: \$1,027) and earned \$1,098 during the nine months ended March 31, 2024 (March 31, 2023: \$2,539).

## SHARE ISSUANCES

During the nine months ended March 31, 2024, the Company issued a total of 100,000 Shares for the exercise of stock options. The Company received proceeds of \$140 and reclassified \$126 from reserves to share capital upon exercise.

On July 27, 2023, the Company filed a final base shelf prospectus relating to the offering for sale from time to time up to US\$250,000 of Shares, preferred shares, debt securities, subscription receipts, warrants or units. This new filing replaced the base shelf prospectus previously filed by the Company on September 10, 2021.

On November 17, 2023, the Company announced the establishment of an at-the-market equity program allowing the Company to issue and sell, from time to time through agents, up to US\$50,000 of Shares from the treasury to the public. During the three months ended March 31, 2024, the Company issued a total of 1,284,300 Shares on the TSX Venture Exchange at an average price of C\$1.83 per share and 6,609,900 Shares on the NYSE American LLC at an average price of US\$1.43 under the at-the-market program, providing gross proceeds of C\$2,352, and US\$9,458, respectively. Commissions of approximately C\$59 and US\$237 were paid to the agents in relation to these distributions, and the Company received net proceeds of C\$2,293 and US\$9,221, respectively.

Subsequent to March 31, 2024, the Company issued 1,292,500 Shares for proceeds of \$2,046 net of transaction costs of \$103 under the Company's ATM offering.

## STOCK OPTION GRANTS

On September 25, 2023, the Company granted 1,750,000 stock options to advisor, management and consultant of the Company pursuant to the Company's stock option plan, with an exercise price of \$4.00 for a period of 5 years. The stock options vest as follows:

- 1,000,000 stock options granted to an advisor of the Company vesting one third on March 31, 2024, one third on March 31, 2025 and one third on March 31, 2026;

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## Management's Discussion and Analysis

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- 350,000 stock options granted to an employee of the Company vesting 100,000 options on March 28, 2024, 83,333 options on September 28, 2024, 83,333 options on September 28, 2025, and 83,334 options on September 28, 2026;
- 350,000 stock options granted to an employee of the Company vesting 100,000 options on April 8, 2024, 83,333 options on October 8, 2024, 83,333 options on October 8, 2025, and 83,334 options on October 8, 2026; and
- 50,000 stock options granted to a consultant of the Company all vesting on September 25, 2024.
- 100,000 stock options granted to an employee of the Company vesting 25,000 options on October 17, 2024, 25,000 options on April 17, 2025, 25,000 options on April 17, 2026 and 25,000 options on April 17, 2027.

### RESULTS OF OPERATIONS

#### ***Three months ended March 31, 2024 compared to the three months ended March 31, 2023:***

The Company incurred a net loss of \$10,358 for the quarter ended March 31, 2024 ("Q3-2024") compared to a net loss of \$7,101 for the quarter ended March 31, 2023 ("Q3-2023"). The primary reason for the increase in loss was related to increase in share-based payments, professional fees, office and administration fees, salaries and benefits, travel and patent fees as compared to the same period last year. Consulting fees increased to \$879 during Q3-2024 as compared to \$931 in Q3-2023 as the Company engaged with strategic advisors and lobbyists during Q3-2024. Management fees incurred during Q3-2024 of \$661 were higher than fees incurred during Q3-2023 due to the revision of director's remuneration plan and the new CFO. Office and administration costs of \$1,164 were higher than the costs of \$820 incurred during the comparative quarter due to higher costs of insurance renewal, information technology and the growth of the EL Dorado office in Arkansas. Costs related to investor relations for Q3-2024 amounted to \$48, a decrease from the \$132 recorded during Q3-2023. The primary reason was the Company hired VP Corporate Communication personnel instead of outsourcing to IR consulting firms. Travel costs of \$238 incurred during Q3-2024 was higher than costs of \$174 incurred during Q3-2023 due to more frequent travel of management and consultants to the Company's project sites in Arkansas and Texas. The share-based payment during the period was \$3,614 as compared to \$44 recognized in Q3-2023. The increase was related to the issuance of stock options to an advisor, employees, and a consultant of the Company, and also the issuance of deferred share units to the directors and management of the Company. They will be fully vested by December 2026. The Company incurred \$274 of costs related to patent applications as compared to \$189 of costs incurred during Q3-2023. The increase in fees related to the advancement of the worldwide IP applications. Demonstration Plant operating costs incurred during Q3-2024 of \$1,975 was lower than the costs incurred of \$4,428 during Q3-2023. The decrease mainly relates to decrease in supplies, personnel, and reagents costs (see page 18-19, Overall Performance section for more details). The salaries and benefits of \$516 was recognised during Q3-2024 compared to \$152 recognised during Q3-2023. The increase was related to hiring additional resources to support the growth of the Company.

#### ***Nine months ended March 31, 2024 compared to the nine months ended March 31, 2023:***

The Company incurred a net loss of \$30,289, for the nine months ended March 31, 2024 ("YTD-2024") compared to a net loss of \$15,539 for the nine months ended March 31, 2023 ("YTD-2023"). The primary reason for the increase in loss was related to increase in share-based payments, management fees, salaries and benefits, consulting fees, and office and administration fees as compared to the same period last year. Management fees incurred during YTD-2024 of \$1,987 were higher than fees incurred during YTD-2023 mainly due to the revision of director's remuneration plan and the new CFO. Consulting fees increased to \$2,935 during YTD-2024 as compared to \$2,501 in YTD-2023 as a result of additional engagement of consultants to support and advance the Company in the next stage of development, the addition of strategic advisors and the engagement of lobbyists to pursue opportunities for federal grants and critical mineral policy programs. Filing and transfer agent fees of \$308 were lower than fees of \$366 during YTD-2023 due to AGM and proxy costs yet to be incurred during YTD-2024. Office and administration costs of \$3,322 were higher than the costs of \$2,459 incurred during the comparative period due to higher costs of insurance renewals, information technology and the growth of the EL Dorado office in Arkansas. Costs related to investor relations for YTD-2024 amounted to \$220, a decrease from the \$286 recorded during YTD-2023. The decrease was related to the Company hiring internal investor relations

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personnel. Travel costs of \$655 incurred during YTD-2024 was higher than costs of \$334 incurred during YTD-2023 due to more frequent travel of management and consultants to the Company's project sites in Arkansas and Texas. The share-based payment during the period was \$9,971 as compared to \$1,135 recognized in YTD-2023. The increase was related to the issuance of stock options to an advisor, employees, and a consultant of the Company, and also the issuance of deferred share units to the directors and management of the Company. They will be fully vested by December 2026. The Company incurred \$699 of costs related to patent applications as compared to \$657 of costs incurred during YTD-2023. The increase in fees related to the advancement of the worldwide IP applications. Demonstration Plant operating costs incurred during YTD-2024 of \$7,177 was lower than the costs incurred of \$10,403 during YTD-2023 mainly due to decrease in supplies, personnel, reagents and utilities costs (see page 17, Overall Performance section for more details). The project investigation costs were \$nil in YTD-2024 compared to \$1,300 of costs incurred during YTD-2023. The primary reason for the decrease in costs relates to the Company commencing the capitalisation of the Texas projects to Exploration and Evaluation Assets. The salaries and benefits of \$1,670 was recognised during YTD-2024 compared to \$152 recognised during YTD-2023. The increase was related to hiring additional resources to support the growth of the Company. Prior to January 2023, all positions were engaged as consultants.

### SUMMARY OF QUARTERLY RESULTS

The following table presents selected unaudited consolidated financial information for the last eight quarters, derived from financial statements prepared in accordance with IFRS Accounting Standards (as issued by the International Accounting Standards Board) applicable to preparation of interim financial statements under IAS 34, *Interim Financial Reporting*, stated in Canadian dollars:

Quarter Ended	Total Revenues	Net Income/(Loss)	Earnings/(Loss) Per Share
June 30, 2022	\$Nil	\$ (6,432)	\$ (0.04)
September 30, 2022	\$Nil	\$ (1,558)	\$ (0.01)
December 31, 2022	\$Nil	\$ (6,880)	\$ (0.04)
March 31, 2023	\$Nil	\$ (7,101)	\$ (0.04)
June 30, 2023	\$Nil	\$(26,450)	\$ (0.15)
September 30, 2023	\$Nil	\$(9,734)	\$ (0.06)
December 31, 2023	\$Nil	\$(10,197)	\$ (0.06)
March 31, 2024	\$Nil	\$(10,358)	\$ (0.06)

### LIQUIDITY AND CAPITAL RESOURCES

The Company does not have a mineral property in production and consequently does not receive revenue from the sale of lithium-based products. The Company currently has no operations that generate cash flow. The Company has financed its operations primarily through the issuance of shares. The continued operations of the Company are dependent on its ability to complete sufficient equity, debt or other financings or generate cash flow from operations in the future.

As of March 31, 2024, the Company had working capital (current assets less current liabilities) of \$7,670 compared to a working capital of \$48,800 as of June 30, 2023. Cash and cash equivalents at March 31, 2024 totaled \$15,716 compared to \$59,612 at June 30, 2023. During the nine months ended March 31, 2024, the Company had a net cash outflow of \$43,896. Working capital decreased in the current period compared to the year ended June 30, 2023 mostly due to expenditures on the development of the Company's projects.

During the nine months ended March 31, 2024, the Company issued 100,000 Shares for the exercise of stock options. The Company received proceeds of \$140 and reclassified \$126 from reserves to Share capital upon exercise.

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During the nine months ended March 31, 2024, the Company issued a total of 1,384,400 Shares on the TSX Venture Exchange at an average price of C\$1.92 per share and 7,936,159 Shares on the NYSE American LLC at an average price of US\$1.55 under the ATM program, providing gross proceeds of C\$2,658 and US\$12,337, respectively.

### Contractual Obligations

Contractual Obligations	Payments due by Periods				
	<i>Total</i>	<i>Less than 1 year</i>	<i>1 – 3 years</i>	<i>4 – 5 years</i>	<i>After 5 years</i>
<i>Obligations Under Office and Storage Leases</i>	\$ 1,150	\$ 519	\$ 631	\$ Nil	\$ Nil
<i>Other Obligations</i>	\$ 21,612	\$ 1,747	\$ 10,320	\$ 3,494	\$ 6,051
<b><i>Total Contractual Obligations</i></b>	<b>\$ 22,762</b>	<b>\$ 2,266</b>	<b>\$ 10,951</b>	<b>\$ 3,494</b>	<b>\$ 6,051</b>

Management has determined that the cash resources will be sufficient to continue operations through Q3-2025 and additional funding will be required to sustain the Company's ongoing operations. As a result, the Company will continue to attempt to raise funds through equity or debt financing to meet its on-going obligations. There can be no certainty that such additional funds may be raised on a timely basis or on terms acceptable to the Company when required.

Except as disclosed, the Company does not know of any trends, demands, commitments, events or uncertainties that will result in, or that are reasonably likely to result in, its liquidity and capital resources either materially increasing or decreasing at present or in the foreseeable future. The Company does not engage in currency hedging to offset any risk of currency fluctuations.

### South West Arkansas Land Purchase

In August 2023, the Company's subsidiary purchased 118 acres of land in Arkansas for the South West Arkansas Project, at a cost of US\$692. The land is located in Lafayette County, adjacent to State Highway 29, and has previously been used for timber harvesting operations. The use of the land as a potential location for a brine processing facility will be considered in the next phases of definition (DFS) for the South West Arkansas Project.

### LITIGATION MATTERS

On January 27, 2022, a putative securities class action lawsuit was filed against the Company, Robert Mintak and Kara Norman in the United States District Court for the Eastern District of New York, captioned *Gloster v. Standard Lithium Ltd., et al.*, 22-cv-0507 (E.D.N.Y.) (the "**Action**"). The complaint purports to seek relief on behalf of a class of investors who purchased or otherwise acquired the Company's publicly traded securities between May 19, 2020, and November 17, 2021, and asserts violations of Section 10(b) of the U.S. Securities Exchange Act of 1934, as amended (the "**Exchange Act**") against all defendants and Section 20(a) of the Exchange Act against the individually named defendants. On April 27, 2022, the court granted Curtis T. Arata's motion for appointment as lead plaintiff in the Action. Lead plaintiff filed an amended complaint on June 29, 2022, adding Andrew Robinson as a defendant and extending the class period to February 3, 2022. The amended complaint alleges, among other things, that during the proposed class period, defendants misrepresented and/or failed to disclose certain facts regarding the Company's LiSTR DLE technology and "final product lithium recovery percentage" at its DLE Demonstration Plant in southern Arkansas. The amended complaint seeks various forms of relief, including monetary damages in an unspecified amount. Defendants filed a motion to dismiss the amended complaint on August 10, 2022, which became fully briefed on September 28, 2022. The Company intends to vigorously defend against the Action. As at March 31, 2024, the Company has not recorded a provision associated with this matter, as the outcome is undeterminable at this time.

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For the Three and Nine Months Ended March 31, 2024

### TRANSACTIONS WITH RELATED PARTIES

Key management personnel are persons responsible for planning, directing and controlling the activities of the entity, which are directors and officers of the Company.

Compensation to key management is comprised of the following:

	Three months ended March 31		Nine months ended March 31	
	2024	2023	2024	2023
	\$	\$	\$	\$
Non-Executive Chair of the Board, Robert Cross (Paloduro Investments Inc.)	34	34	101	101
President and Chief Operating Officer, Dr. Andy Robinson (Green Core Consulting Ltd.)	137	136	413	402
Chief Executive Officer, Robert Mintak (Rodhan Consulting & Management Services)	138	136	414	402
Director, Anthony Alvaro (Varo Corp Capital Partners Inc.)	63	63	188	188
Director, Jeffrey Barber (JSB Investments Inc.)	25	34	83	101
Director, Volker Berl (New Age Ventures LLC)	49	18	116	84
Director, Claudia D'Orazio <sup>(1)</sup>	34	25	94	25
Director, Anca Rusu <sup>(1)</sup>	34	25	101	25
Chief Financial Officer, Kara Norman (former) <sup>(2)</sup>	-	84	93	251
Chief Financial Officer, Salah Gamoudi <sup>(3)</sup>	147	Nil	384	Nil
Share-based payments	2,366	-	7,295	-
	3,027	555	9,282	1,579

Notes:

[1] The individual became a director of the Company in 2023.

[2] Kara Norman resigned as Chief Financial Officer on September 30, 2023 and was appointed Chief Accounting Officer on October 1, 2023

[3] Salah Gamoudi was appointed Chief Financial Officer on October 1, 2023

As at March 31, 2024, there is \$45 (June 30, 2023: \$1,373) in accounts payable and accrued liabilities owing to officers of the Company. Amounts due to/from the related parties are non-interest bearing, unsecured and have no fixed terms of repayment.

On June 17, 2022, the Company entered into MSA with Telescope, a related party of the Company. Robert Mintak, CEO of the Company and Dr. Andy Robinson, President and COO of the Company are independent directors of Telescope. Under the MSA, Telescope will provide various research and development ("R&D") services for the purpose of developing new technologies. The Company will fund an initial project for one year under the MSA, which will aim to evaluate the use of captured CO<sub>2</sub> in the Company's various chemical processes, as well as investigate the potential for permanent geological sequestration of CO<sub>2</sub> within the lithium brine extraction and reinjection processes contemplated by the Company. Other

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R&D projects may be performed for the Company by Telescope, as required. The Company incurred \$880 (March 31, 2023: \$592) of costs related to this agreement during the period ended March 31, 2024.

As at March 31, 2024, there is \$40 (June 30, 2023: \$115) in accounts payable and accrued liabilities owing to Telescope. Amounts due to Telescope are non-interest bearing, unsecured and have no fixed terms of repayment.

On November 7, 2023, the Company adopted an Executive Officer Incentive Compensation Clawback Policy to comply with new rules of the NYSE American, LLC set forth in Listed Company Manual Section 811 – Erroneously Awarded Compensation and Section 954 of the Dodd-Frank Wall Street Reform and Consumer Protection Act of 2010, as codified by Section 10D and Rule 10D-1 of the Exchange Act of 1934.

### OUTSTANDING SHARE DATA

The authorized capital of Standard Lithium consists of an unlimited number of Shares and preferred shares without par value.

As of the date of this MD&A, there were 183,465,256 Shares issued and outstanding, 9,920,000 stock options, 1,991,004 deferred share units and 3,125,625 warrants outstanding exercisable to acquire one Share at \$1.20 expiring June 10, 2024.

Details of options outstanding and exercisable at the date of this report are as follows:

Options Outstanding			Options Exercisable		
Exercise Price \$	Number of Shares	Weighted Average Remaining Contractual Life (years)	Exercise Price \$	Number Exercisable	Weighted Average Exercise Price \$
1.40	1,350,000 <sup>(1)</sup>	0.00	1.40	1,350,000	1.40
3.43	400,000	0.07	3.43	400,000	3.43
7.55	500,000	0.77	7.55	500,000	7.55
3.39	1,200,000	1.70	3.39	1,200,000	3.39
6.08	200,000	2.20	6.08	200,000	6.08
6.31	200,000	2.83	6.31	200,000	6.31
8.25	170,000	2.86	8.25	170,000	8.25
9.40	100,000	2.93	9.40	100,000	9.40
5.08	3,750,000	3.93	5.08	3,750,000	5.08
5.23	200,000	4.04	5.23	200,000	5.23
4.00	1,750,000	4.38	4.00	533,333	4.00
1.47	100,000	4.95	1.47	-	1.47
	9,920,000	2.81	4.35	8,603,333	4.43

[1] Options expired on September 4, 2023, however, due to black-out of insider share transactions, these options will remain eligible for exercise for a period of 10 business days subsequent to the lifting of the black-out.

### OFF-BALANCE SHEET ARRANGEMENTS

The Company does not have any off-balance sheet arrangements that have or are reasonably likely to have a current or future effect on the Company's financial condition, changes in financial condition, revenues or expenses, results of operations, liquidity, capital expenditures or capital resources that are material to investors.



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### CRITICAL ACCOUNTING ESTIMATES AND JUDGMENTS

The preparation of the financial statements requires management to make judgments, estimates and assumptions that affect the application of policies and reported amounts of assets, liabilities, and contingent liabilities as at the date of the financial statements and the reported amount of revenues and expenses during the reporting period. Estimates and judgements are continuously evaluated and are based on management's experience and other factors, including expectations of future events that are believed to be reasonable under the circumstances. Actual results may differ from these estimates.

Significant accounting judgments that management has made in the process of applying accounting policies and that have the most significant effect on the amounts recognised in the consolidated financial statements are as follows:

#### *Impairment indicators*

The Company evaluates each long-term asset at each reporting period to determine if there are any indications of impairment in accordance with IFRS 6 – Exploration for and evaluation of mineral properties. If any such indications exist, an estimate of the recoverable amount is performed, and an impairment loss is recognised to the extent that the carrying amount exceeds the recoverable amount. Management's judgment in evaluating potential impairment indicators includes whether:

- the right to explore in the specific area has expired during the period or will expire in the near future and is not expected to be renewed,
- substantive expenditure on further exploration for and evaluation of ("E&E") mineral resources in the specific area is neither budgeted nor planned,
- there has been no discovery of commercially viable quantities of mineral resources and the Company has decided to discontinue such activities in the specific area; and
- sufficient data exist to indicate that, although a development in the specific area is likely to proceed, the carrying amount of the asset is unlikely to be fully recovered.

As at March 31, 2024 the Company has assessed its E&E assets and there were no indications of impairment.

The key sources of estimation uncertainty that have a significant risk of causing material adjustment to the amounts recognised in the financial statements are as follows:

#### *Valuation of investment in Aqualung Carbon Capture SA*

The Company holds an investment in Aqualung Carbon Capture SA, a private company, which is measured at fair value through profit and loss.

Company-specific information is considered when determining whether the fair value of the investment should be adjusted upward or downward at the end of each reporting period. In addition to company-specific information, the Company takes into account trends in general market conditions and the Share performance of comparable publicly-traded companies when valuing privately-held investments.

The determinations of fair value of the Company's investment at other than initial cost are subject to certain limitations. Financial information for the privately-held investment may not be available and, even if available, that information may

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be limited and/or unreliable. Use of the valuation approach described above may involve uncertainties and determinations based on the Company's judgment and any value estimated from these techniques may not be recognised or realisable.

### FINANCIAL INSTRUMENTS AND RISK MANAGEMENT

The Company's financial assets and liabilities consist of cash, receivables, long-term investments, accounts payable and accrued liabilities. A fair value hierarchy is used to determine the financial instruments' fair value that are recorded on the consolidated statements of financial position.

The fair value hierarchy has three levels

Level 1 – quoted prices (unadjusted) in active markets for identical assets or liabilities;

Level 2 – inputs other than quoted prices included within Level 1 that are observable for the asset or liability, either directly or indirectly for similar items in active markets. The Company maximizes the use of observable market data and relies on entity-specific estimates at least possible; and

Level 3 – inputs for the asset or liability that are not based on observable market data (unobservable inputs).

There were no transfers between Levels 1, 2 or 3 for the nine months ended March 31, 2024 and the year ended June 30, 2023.

The following table sets forth the Company's financial assets measured at fair value by level within the fair value hierarchy:

March 31, 2024	Level 1	Level 2	Level 3	Total
Investment in Aqualung Carbon Capture SA	\$ -	\$ -	\$ 3,386	\$ 3,386

June 30, 2023	Level 1	Level 2	Level 3	Total
Investment in Aqualung Carbon Capture SA	\$ -	\$ -	\$ 3,314	\$ 3,314

The Company's board of directors has the overall responsibility for the establishment and oversight of the Company's risk management framework. The Company's risk management policies are established to identify and analyze the risks faced by the Company, to set appropriate risk limits and controls, and to monitor risks and adherence to limits. Risk management policies and systems are reviewed regularly to reflect changes in market conditions and in response to the Company's activities. Management regularly monitors compliance with the Company's risk management policies and procedures and reviews the adequacy of the risk management framework in relation to the risks faced by the Company.

In the normal course of operations, the Company is exposed to various risks such as commodity, interest rate, credit and liquidity risk. To manage these risks, management determines what activities must be undertaken to minimize potential exposure to risks. The objectives of the Company in managing risk are as follows:

- maintaining sound financial condition;
- financing operations; and
- ensuring liquidity to all operations.

In order to satisfy these objectives, the Company has adopted the following policies:

- recognize and observe the extent of operating risk within the business; and

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- identify the magnitude of the impact of market risk factors on the overall risk of the business and take advantage of natural risk reductions that arise from these relationships.

(i) Interest rate risk

The Company does not have any financial instruments which are subject to interest rate risk.

(ii) Credit risk

Credit risk is the risk of loss if counterparties do not fulfill their contractual obligations and arises principally from cash deposits. The maximum credit risk is the total of our cash. The Company maintains substantially all its cash with two major financial institutions. The majority of cash held with these institutions exceed the amount of insurance provided on such deposits.

(iii) Liquidity risk

Liquidity risk is the risk that the Company will not be able to meet its financial obligations as they come due. The Company manages this risk by careful management of its working capital to ensure its expenditures will not exceed available resources. As at March 31, 2024, the Company has working capital of \$7,670 (June 30, 2023: working capital balance of \$48,800). The Company is actively engaged in raising additional capital to fund its capital projects and meet financial obligations.

(iv) Foreign Exchange Risk

Currency risk is the risk to the Company's earnings that arises from fluctuations of foreign exchange rates and the degree of volatility of these rates. The Company does not use derivative instruments to reduce its exposure to foreign currency risk. The Company is exposed to currency risk through the following assets and liabilities denominated in US dollars:

	March 31, 2024	June 30, 2023
	\$	\$
Cash	8,973	42,745
Accounts payable	(2,775)	(5,926)

At March 31, 2024, US Dollar amounts were converted at a rate of USD 1.00 to CAD 1.354. A 10% increase or decrease in the US Dollar relative to the Canadian Dollar would result in a change of approximately \$620 (June 30, 2023: \$3,682) in the Company's comprehensive loss for the year.

### DISCLOSURE CONTROLS AND PROCEDURES

Disclosure controls and procedures are designed to provide reasonable assurance that material information is gathered and reported to management, as appropriate to allow for timely decisions about public disclosure.

As described below, in our assessment of the effectiveness of our Company's internal control over financial reporting as at June 30, 2023, material weaknesses were identified. As a result of these material weaknesses, management has concluded that, as of the end of the period covered by this report, the Company's disclosure controls and procedures were not effective to ensure that information required to be disclosed by the Company in reports that it files or submits under the Exchange Act is (i) recorded, processed, summarized and reported within the time periods specified in the applicable Securities and Exchange Commission rules and forms and (ii) accumulated and communicated to the Company's management, as appropriate to allow timely decisions regarding required disclosure.

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Notwithstanding the identified material weaknesses, management believes the financial statements fairly represent in all material respects our financial condition, results of operations and cash flows at and for the periods presented in accordance with IFRS Accounting Standards.

### MANAGEMENT'S REPORT ON INTERNAL CONTROLS OVER FINANCIAL REPORTING

Management is responsible for establishing and maintaining adequate internal controls over financial reporting as such term is defined in the rules of the National Instrument 52-109 – *Certification of Disclosure in Issuers' Annual and Interim Filings* in Canada and Rules 13a-15(f) and 15d-15(f) of the Exchange Act in the United States. The Company's internal controls over financial reporting is designed to provide reasonable assurance regarding the reliability of the Company's financial reporting for external purposes in accordance with IFRS Accounting Standards.

An evaluation of the Company's internal controls over financial reporting at June 30, 2023 was conducted based on the Committee of Sponsoring Organizations of the Treadway Commission's Internal Control—Integrated Framework (2013). This evaluation identified material weaknesses in both the design and operational effectiveness of internal controls over financial reporting. A material weakness is a deficiency or combination of deficiencies in internal control over financial reporting such that there is a reasonable possibility that a material misstatement of our financial statements will not be prevented or detected on a timely basis.

Specifically, the Company identified a material weakness due to a need for additional personnel with accounting expertise to improve the timeliness and accuracy of financial disclosures, as well as to maintain appropriate segregation of duties and system user access controls. These areas for improvement also pointed to a material weakness in the Company's formal accounting policies, procedures, and controls related to financial accounting, reporting, and disclosures to achieve complete and accurate financial reporting.

Until they are remediated, the material weaknesses could result in a material misstatement to the annual or interim financial statements that would not be prevented or detected. To address these material weaknesses in future periods, management has developed a remediation plan aimed at enhancing internal controls over financial reporting. This plan includes: (i) the recruitment of additional accounting and finance personnel to improve the overall effectiveness of the financial reporting process; (ii) the revision and implementation of controls concerning journal entry review, user access rights, and segregation of duties; and (iii) the formalization and documentation of accounting policies and internal controls. These improvements are targeted for completion in the upcoming fiscal year and will require additional financial resources.

The Company has begun taking steps to remedy the identified material weaknesses. On October 1, 2023, the Company took a significant step forward in its commitment to enhance internal controls by appointing Salah Gamoudi as Chief Financial Officer. Mr. Gamoudi's extensive expertise in financial management is a key part of the strategy to address the previously noted deficiencies. Concurrently, Kara Norman has transitioned from the role of CFO to become the Chief Accounting Officer of the Company, a move that is expected to strengthen the financial reporting process further by dedicating her skill set to the core aspects of financial accounting and control.

There have been no other changes in our internal control over financial reporting that occurred during our fiscal quarter ended March 31, 2024, that have materially affected, or are reasonably likely to materially affect our internal control over financial reporting.

### LIMITATION OF CONTROLS AND PROCEDURES

Management believes that any disclosure controls and procedures or internal control over financial reporting, no matter how well designed and operated, have their inherent limitations. Due to those limitations (resulting from unrealistic or unsuitable objectives, human judgment in decision making, human errors, management overriding internal control, circumventing controls by the individual acts of some persons, by collusion of two or more people, external events beyond

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the entity's control), internal control can only provide reasonable assurance that the objectives of the control system are met.

The design of a control system must reflect the fact that there are resource constraints, and the benefits of controls must be considered relative to their costs. Due to the inherent limitations in a cost-effective control system, misstatements due to error or fraud may occur and not be detected.

### RISK FACTORS

There are a number of risks that may have a material and adverse impact on the future operating and financial performance of the Company and could cause the Company's operating and financial performance to differ materially from the estimates described in forward-looking statements relating to the Company. These include widespread risks associated with any form of business and specific risks associated with the Company's business and its involvement in the lithium exploration and development industry. Readers are advised to review and consider risk factors disclosed in the AIF for the fiscal year ended June 30, 2023 available under the Company's profile on SEDAR+ at [www.sedarplus.ca](http://www.sedarplus.ca) and on EDGAR at [www.sec.gov](http://www.sec.gov), as well as the following additional risk factors:

#### *Reliance on Third Parties*

The Company relies on third parties to fulfil their obligations under agreements entered into between the Company and the third parties. The Company currently has entered into or will enter into multiple agreements, including the option agreement with TETRA for the South West Arkansas Project brine production, the joint development agreement with Koch Technology Solutions, and the brine supply and disposal agreement, the service agreement, the offtake participation agreement and the lease agreement with LANXESS for the Lanxess Project.

Third parties may, as a result of financial or other reasons, be unable or unwilling to fulfill their obligations under the respective option, earn-in right or other agreement(s). Any one or a combination of these could result in liabilities for the Company and could adversely affect the value of the related project(s) and, by association, damage the Company's reputation and consequently its ability to acquire or advance other projects and/or attract future partners.

#### Joint Venture Risks

On May 7, 2024, the Company completed the Equinor Transaction, pursuant to which Equinor acquired a participating interest in the South West Arkansas Project, and the Company's brine leases located in east Texas (the "**East Texas Project**"). Pursuant to the Equinor Transaction, the parties intend to collaborate in the development of the South West Arkansas Project, and the East Texas Project. Third-party ownership of interests in the properties and projects of the Company are subject to the risks normally associated with the conduct of joint ownership structures. These include the following: disagreements between the parties as to project development and operating matters; the inability of any or both parties to meet contractual obligations under the relevant agreements, such as funding requirements, or to third parties; and disputes or litigation between the parties regarding budgets, development activities, reporting requirements and other matters. The occurrence of any such matters could have a material adverse impact on the Company and the viability of its interests in the project over which a joint venture is created. This in turn could have a material adverse impact on the Company's business prospects, results of operations and financial condition.

#### Royalty Regime Risks

Changes in royalty policies, including the taxation of royalties, in jurisdictions where the Company operates could impact the economics of current and future lithium extraction projects. New or revised royalties or other fiscal regimes could affect project costs and profitability, potentially having a material adverse effect on the Company's financial performance and project viability. An increase in royalties could also reduce earnings and make future capital investments and

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operations less economic.

### **Preliminary Feasibility Study**

The South West Arkansas PFS does not have sufficient certainty to constitute a DFS. The Company cannot give assurance that it will ever be in a position to declare a proven or probable mineral reserve at the South West Arkansas Project. Whether the Company completes the anticipated DFS on this project, and thereby delineates proven or probable mineral reserves, depends on a number of factors, including:

- the particular attributes of the deposit (including its size, grade, geological formation and proximity to infrastructure);
- lithium prices, which are highly cyclical;
- government regulations (including regulations relating to taxes, royalties, land tenure, land use and permitting); and
- environmental protection considerations.

We cannot determine at this time whether any of the mineral resource estimates will ultimately be converted into mineral reserves.

### **Mineral Resource Uncertainties**

Calculations of mineral resources, mineral reserves and metal recovery are estimates only, and there can be no assurance about the quantity and grade of minerals until reserves or resources are actually mined. Until mineral reserves or mineral resources are actually mined and processed, the quantity of mineral reserves or mineral resources and grades must be considered as estimates only. In addition, the quantity of mineral reserves or mineral resources may vary depending on commodity prices. Any material change in the quantity of mineral resources, grade or stripping ratio or recovery rates may adversely affect the economic viability of the Company's projects and the Company's financial condition and prospects.

Mineral resources that are not mineral reserves do not have demonstrated economic viability. Due to the uncertainty which may attach to mineral resources, there can be no assurances that mineral resources will be upgraded to mineral reserves as a result of continued exploration or during the course of operations. There can be no assurances that any of the mineral resources or mineral reserves stated in the published technical reports of the Company will be realized. Until a deposit is actually extracted and processed, the quantity of mineral resources or mineral reserves, grades, recoveries and costs must be considered as estimates only. In addition, the quantity of mineral resources or mineral reserves may vary depending on, among other things, product prices. Any material change in the quantity of mineral resources or mineral reserves, grades, dilution occurring during mining operations, recoveries, costs or other factors may affect the economic viability of stated mineral resources or mineral reserves. In addition, there is no assurance that mineral recoveries in limited, small scale laboratory tests or pilot plants will be duplicated by larger scale tests or during production. Fluctuations in lithium prices, results of future drilling, metallurgical testing, actual mining and operating results, and other events subsequent to the date of stated mineral resources and mineral reserves estimates may require revision of such estimates. Any material reductions in estimates of mineral resources or mineral reserves could have a material adverse effect on the Company.

To date, the Company has established mineral reserves at its Lanxess Project pursuant to the Lanxess DFS and mineral resources at its South West Arkansas Project pursuant to the South West Arkansas PFS. In addition, the Company is engaged in exploration on its other properties in order to determine if any economic deposits exist thereon. The Company may expend substantial funds in exploring some of its properties only to abandon them and lose its entire expenditure on the properties if no commercial or economic quantities of minerals are found. Even if commercial quantities of minerals are discovered, the exploration properties might not be brought into a state of commercial production. Finding mineral deposits is dependent on a number of factors, including the technical skill of exploration personnel involved.

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The commercial viability of a mineral deposit once discovered is also dependent on a number of factors, some of which are the particular attributes of the deposit, such as content of the deposit including harmful substances, size, grade and proximity to infrastructure, as well as metal prices and the availability of power and water in sufficient supply to permit development. Most of these factors are beyond the control of the entity conducting such mineral exploration. The Company is an exploration and development stage company with no history of pre-tax profit and no income from its operations. There can be no assurance that the Company's operations will be profitable in the future. There is no certainty that the expenditures to be made by the Company in the exploration and development of its properties will result in discoveries of mineralized material in commercial quantities. Most exploration projects do not result in the discovery of commercially mineable deposits and no assurance can be given that any particular level of recovery of mineral reserves will in fact be realized or that any identified mineral deposit will ever qualify as a commercially mineable (or viable) mineral deposit which can be legally and economically exploited. There can be no assurance that minerals recovered in small scale tests will be duplicated in large scale tests under on-site conditions or in production. If the Company is unsuccessful in its exploration and development efforts, it may be forced to acquire additional projects or cease operations.

### Global Financial Conditions

Global financial conditions have been subject to continued volatility. Government debt, the risk of sovereign defaults, political instability and wider economic concerns in many countries have been causing significant uncertainties in the markets. Disruptions in the credit and capital markets can have a negative impact on the availability and terms of credit and capital. Uncertainties in these markets could have a material adverse effect on the Company's liquidity, ability to raise capital and cost of capital. High levels of volatility and market turmoil could also adversely impact commodity prices, exchange rates and interest rates and have a detrimental effect on the Company's business.

The recent global economic and geopolitical events, such as the war in Ukraine, ongoing conflict in the Middle East, sanctions imposed on Russia and higher energy costs coupled with supply concerns have been extremely disruptive to the world economy, with increased volatility in commodity markets, international trade and financial markets and oil and gasoline prices, all of which have a trickle-down effect on supply chains, equipment and construction. The extent and duration of the current conflicts in the Ukraine and the Middle East and related international action cannot be accurately predicted at this time and the effects of such conflicts may magnify the impact of the other risks identified, including those relating to commodity price volatility and global financial conditions.

There is a risk of substantial market and financial turmoil arising from further conflict which could have a material adverse effect on the economics of the Company's projects and the Company's ability to operate its business and advance project development. There is also a risk of recession, which may cause decreases in asset values and may result in impairment losses which could adversely impact the Company's operations and the trading price of the Company's Shares.