

E3 Lithium Advances Battery-Grade Lithium Testing Methods and Standards with In-House Lab Participation

CALGARY, ALBERTA, January 15, 2025 – E3 LITHIUM LTD. (TSXV: ETL) (FSE: OW3) (OTCQX: EEMMF), “E3 Lithium” or the “Company,” a leader in Canadian lithium, is proud to announce its active participation in the ISO TC 333 Lithium mirror committee through the Standards Council of Canada (SCC). ISO TC 333 is an international technical committee dedicated to developing standardized methods for the determination of lithium product quality, critical to the battery industry.

One of issues that challenges the sales of lithium products is the determination of lithium quality and an agreement on the testing methods to determine that quality. This can have significant impacts on the price paid for lithium products. E3 Lithium’s Calgary Lab is participating as a centre of excellence to test the methods developed by the International Organization for Standardization (ISO) committee for lithium standards

The Company has been involved with the ISO TC333 Mirror Committee for over 5 years, including E3’s CEO, Chris Doornbos, chairing the committee for a time. More recently, the Company has been taking an active role in the physical testing of samples to confirm the methodology. E3 Calgary Lab is one of two in Canada, and one of only a few globally, participating in the develop of these standards. E3 now operates the specific analytical equipment required for determining lithium product quality as defined by the developing standard. The Lab has completed two interlaboratory collaborative tests in 2024, with results verified against the ISO TCC standards to confirm the quality of both lithium carbonate and lithium hydroxide, E3 has been able to demonstrate a high accuracy of results. These results have been further verified by 3rd party independent lab analysis. While not yet certified, E3’s lab now has the capability to determine the quality of lithium products internally with certainty.

E3 Lithium is contributing to the development of the ISO standard, and methods within those, to assess the quality of lithium products involves on creating standard methodologies for:

- **Purity Assessment:** Accurately measuring the purity of battery-grade lithium carbonate (Li_2CO_3) and lithium hydroxide monohydrate (LHM) by percentile using potentiometric titration.
- **Elemental Impurities:** Measuring elemental impurities in battery-grade lithium carbonate through inductively coupled plasma optical emission spectrometry (ICP-OES).
- **Metallic Magnetic Impurities:** Measuring metallic magnetic impurities in lithium carbonate using ICP-OES techniques.

E3 Lithium’s technical experts are participating with other global leaders in lithium research and manufacturing through this committee.

“E3 Lithium is proud to have leveraged its technical expertise to support the development of lithium standards through the ISO and CSA,” commented Chris Doornbos, President and CEO of E3 Lithium. “By collaborating with international experts and helping shape global benchmarks, we are contributing to the



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development of new standards for the lithium industry. Having this expertise in house greatly accelerates our ability to test our own products, allowing the Company to save both time and money.”

ON BEHALF OF THE BOARD OF DIRECTORS
Chris Doornbos, President & CEO
E3 Lithium Ltd.

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About E3 Lithium

E3 Lithium is a development company with a total of 16.2 million tonnes of lithium carbonate equivalent (LCE) Measured and Indicated¹ as well as 0.9 million tonnes LCE Inferred mineral resources² in Alberta and 2.5 million tonnes LCE Inferred mineral resources³ in Saskatchewan. The Clearwater Pre-Feasibility Study outlined a 1.13 Mt LCE proven and probable mineral reserve with a pre-tax NPV8% of USD 5.2 Billion with a 29.2% IRR and an after-tax NPV8% of USD 3.7 Billion with a 24.6% IRR¹. E3 Lithium’s goal is to produce high purity, battery grade lithium products to power the growing electrical revolution. With a significant lithium resource and innovative technology solutions, E3 Lithium has the potential to deliver lithium to market from one of the best jurisdictions in the world.

1: The Clearwater Project NI 43-101 Pre-Feasibility Study, effective June 20, 2024, is available on the E3 Lithium’s website (<https://e3lithium.ca/our-assets/technical-reports/>) and SEDAR+ (www.sedarplus.ca).

2: The mineral resource NI 43-101 Technical Report for the North Rocky Property, effective October 27, 2017, identified 0.9 Mt LCE (inferred) and is available on the E3 Lithium’s website (e3lithium.ca/technical-reports) and SEDAR+ (www.sedarplus.ca).

3: The mineral resource NI 43-101 Technical Report for the Estevan Lithium District, effective May 23, 2024, identified 2.5 Mt LCE (inferred) and is available on the E3 Lithium’s website (e3lithium.ca/technical-reports) and SEDAR+ (www.sedarplus.ca).

Unless otherwise indicated, Kevin Carroll, P. Eng., Chief Development Officer and a Qualified Person under National Instrument 43-101, has reviewed and is responsible for the technical information contained on this news release.

Forward-Looking and Cautionary Statements

This news release includes certain forward-looking statements as well as management’s objectives, strategies, beliefs and intentions or forward-looking information within the meaning of applicable securities laws. Forward-looking statements are frequently identified by such words as “believe”, “may”, “will”, “plan”, “expect”, “anticipate”, “estimate”, “intend”, “project”, “potential”, “possible” and similar words referring to



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future events and results. Forward-looking statements are based on the current opinions, expectations, estimates and assumptions of management in light of its experience, perception of historical trends, and results of the PFS, but such statements are not guarantees of future performance. In particular, this news release contains forward-looking information relating to: the estimated mineral resources and mineral resources at the Clearwater Project; expectations regarding the PFS, including statements regarding the results of the PFS and interpretations thereof; expectations concerning the Clearwater Project, including extraction, production, pretreatment, purification, volume reduction and conversion process and features and the expected outcomes thereof; the expected economic performance of the Clearwater Project, including capital costs, operating costs, water usage, land use and carbon emissions; statements regarding the Company's strategy for minimizing environmental impact and liquid waste and maximizing water reuse, with no planned tailings or waste piles; the potential for a secondary revenue stream should the Company be able to sell the calcium carbonate generated during the production of lithium hydroxide; plans and objectives of management for the Company's operations and the Clearwater Project; and the inherent hazards associated with mineral exploration and mining operations. In preparing the forward-looking information in this news release, the Company has applied several material assumptions, including, but not limited to, that any additional financing needed will be available on reasonable terms; the exchange rates for the U.S. and Canadian currencies will be consistent with the Company's expectations; that the current exploration, development, environmental and other objectives concerning the Clearwater Project can be achieved and that its other corporate activities will proceed as expected; that the current price and demand for lithium will be sustained or will improve; that general business and economic conditions will not change in a materially adverse manner and that all necessary governmental approvals for the planned activities on the Clearwater Project will be obtained in a timely manner and on acceptable terms; the continuity of the price of lithium.

All forward-looking information (including future-orientated financial information) is inherently uncertain and subject to a variety of assumptions, risks and uncertainties, including the speculative nature of mineral exploration and development, fluctuating commodity prices, the effectiveness and feasibility of emerging lithium extraction technologies which have not yet been tested or proven on a commercial scale or on the Company's brine, risks related to the availability of financing on commercially reasonable terms and the expected use of proceeds; operations and contractual obligations; changes in estimated mineral reserves or mineral resources; future prices of lithium and other metals; availability of third party contractors; availability of equipment; failure of equipment to operate as anticipated; accidents, effects of weather and other natural phenomena and other risks associated with the mineral exploration industry; the Company's lack of operating revenues; currency fluctuations; risks related to dependence on key personnel; estimates used in financial statements proving to be incorrect; competitive risks and the availability of financing, as described in more detail in our recent securities filings available under the Company's profile on SEDAR+ at www.sedarplus.ca. Actual events or results may differ materially from those projected in the forward-looking statements and we caution against placing undue reliance thereon. We assume no obligation to revise or update these forward-looking statements except as required by applicable law.