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September 5, 2023

British Columbia Securities Commission
Alberta Securities Commission
Financial and Consumer Affairs Authority of Saskatchewan
The Manitoba Securities Commission
Ontario Securities Commission
Autorité des Marchés Financiers, Quebec
New Brunswick Financial and Consumer Services Commission
Nova Scotia Securities Commission
Newfoundland and Labrador Office of the Superintendent of Securities Service
Office of the Superintendent of Securities of Prince Edward Island
Northwest Territories Office of the Superintendent of Securities
Nunavut Office of the Superintendent of Securities
Office of the Yukon Superintendent of Securities

Dear Sirs/Mesdames:

Re: NOA Lithium Brines Inc.

We refer to the final short form base shelf prospectus of NOA Lithium Brines Inc. (the "Company") dated September 5, 2023 (the "Final Prospectus") relating to the offering for sale of common shares, warrants, units, subscription receipts, debt securities and preferred shares of the Company.

We consent to being named and to the use, through incorporation by reference in the above-mentioned Final Prospectus, of our report dated May 1, 2023 to the shareholders of the Company on the following consolidated financial statements:

consolidated statements of financial position as at December 31, 2022 and December 31, 2021;

consolidated statements of loss and comprehensive loss, changes in equity and cash flows for the years ended December 31, 2022 and December 31, 2021; and

notes to the consolidated financial statements, including a summary of significant accounting policies and explanatory information.

We report that we have read the Final Prospectus and all information specifically incorporated by reference therein and have no reason to believe that there are any misrepresentations in the information contained therein that are derived from the consolidated financial statements upon which we have reported or that are within our knowledge as a result of our audit of such consolidated financial statements. We have complied with Canadian generally accepted standards for an auditor's consent to the use of a report of the auditor included in an offering document, which does not constitute an audit or review of the prospectus as these terms are described in the CPA Canada Handbook – Assurance.

“Crowe MacKay LLP”

Chartered Professional Accountants
Vancouver, British Columbia