

ASX Announcement

5 November 2025

CONSTRUCTION COMMENCED ON LITHIUM EXTRACTION FACILITY

HIGHLIGHTS

- Construction has commenced on the lithium extraction facility at Pad #1. Foundation construction will be complete in January 2026, with onsite building construction to commence thereafter.
- Electricity application has been submitted to SaskPower to connect Pad #1 wells and facility to grid power.
- Four commercial scale lithium extraction columns are being fabricated, with arrival expected in April 2026. The four commercial scale columns will make-up what is believed to be the largest known DLE facility in North America.
- Given the strategic importance of global lithium supplies, multiple offtake discussions are underway with parties in North America and Asia.

Prairie Lithium Limited (ASX: PL9 OTC: PL9AF) (“Prairie Lithium”, “PL9” or “the Company”), a company focused on the sustainable development of the Prairie Lithium Project (“**Prairie**”), is pleased to announce it has commenced construction on the lithium extraction facility at Pad #1 (see Figure 1). The foundation construction is anticipated to be completed in January 2026, with building construction anticipated to commence thereafter. The application to connect the wells and facility at Pad #1 to grid power has been submitted to SaskPower.

The production and disposal wells that will support the facility are already installed onsite¹. Building the facility and receiving the Direct Lithium Extraction (DLE) equipment represent the next steps on the critical path to achieving production.

The four commercial scale lithium extraction columns will make-up what is believed to be the largest known DLE facility in North America. With the current largest believed to be deployed by Standard Lithium in Arkansas². In March 2024, Standard Lithium successfully installed and commissioned the Li-Pro™ Lithium Selective Sorption (LSS) commercial scale unit supplied by Koch Technology Solutions (KTS) (now Aquatech)². The successful de-risking of one commercial-scale column in Arkansas over the past 18 months, combined with the high-quality brine from the Prairie Lithium Project, supports confidence in the technology’s performance and scalability.

A video of the site work can be found at: [Prairie Lithium \(ASX:PL9\) - Construction Commenced on Lithium Extraction Facility](#)

¹ ASX Release – “Discovery of Another Lithium Rich Formation At Prairie ” – 24 September 2024

² NYSE Presentation – “September 2025 Management Presentation” – September 2025





Figure 1: Foundation works on Pad #1

Prairie Lithium Managing Director, Paul Lloyd, commented: *“The construction on our lithium extraction facility at Pad #1 is a strong step forward on our critical path to production. The groundwork we are laying now will host what we believe will be the largest known Direct Lithium Extraction (DLE) facility in North America. This scale, combined with our secure wells and grid power application to SaskPower, underscores the maturity of the Prairie Lithium Project. With our fabrication of four commercial-scale columns well underway, global industry interest is escalating rapidly, demonstrating the strategic importance of our high-quality Canadian resource. We are intensely focused on leveraging this momentum and are highly encouraged by ongoing offtake discussions with partners across North America and Asia.”*

About the Prairie Lithium Project

PL9's Prairie Lithium Project is located in the Williston Basin of Saskatchewan, Canada (see Figure 2). Located in one of the world's top mining friendly jurisdictions, the projects have easy access to key infrastructure including electricity, natural gas, fresh water, paved highways and railroads. The projects also aim to have strong environmental credentials, with Prairie Lithium targeting to use less freshwater, land and waste, aligning with the Company's sustainable approach to lithium development.

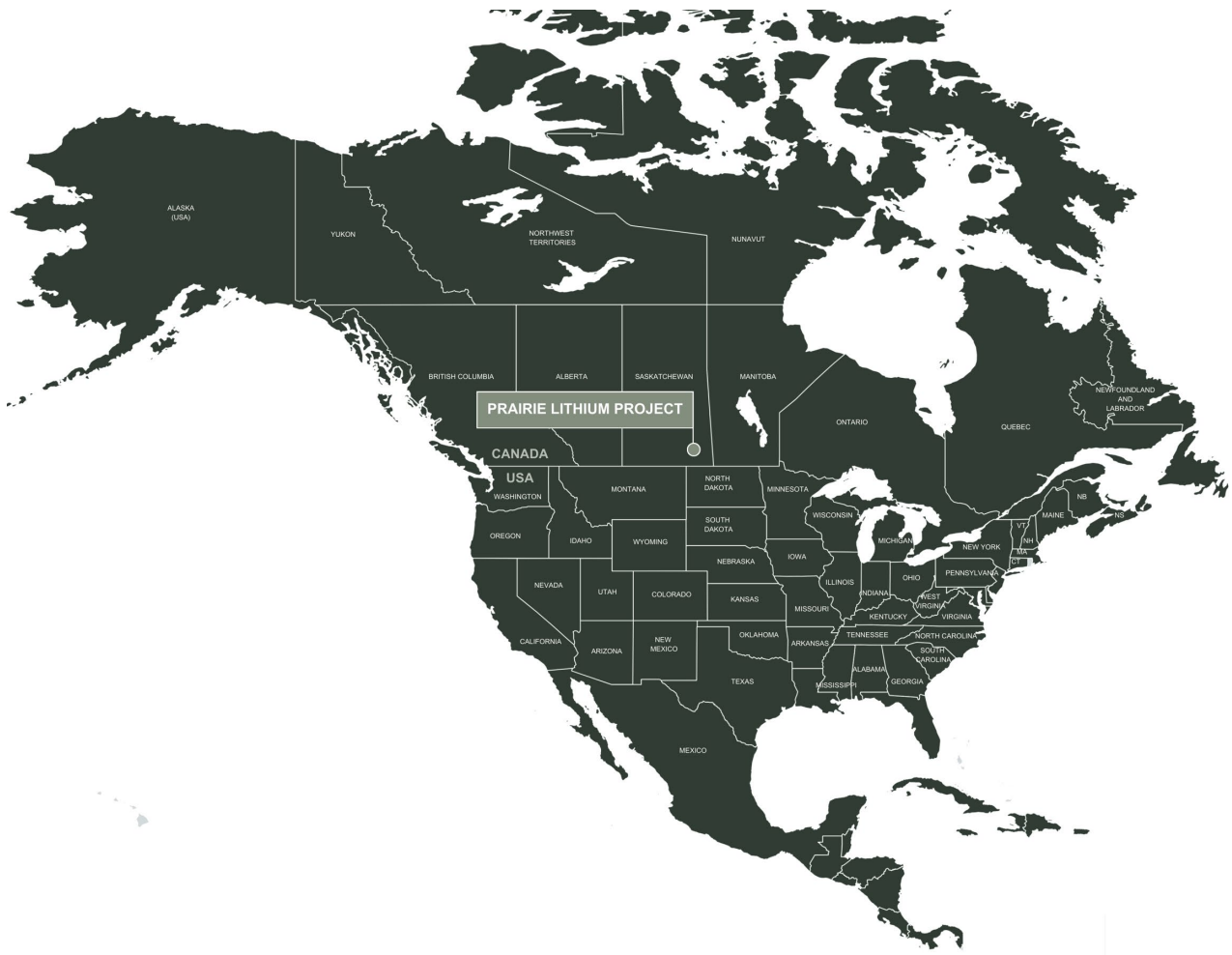


Figure 2: Location of the Prairie Lithium Project

This ASX announcement is authorised for release by the Board.

For further information please contact:

Mr. Paul Lloyd
Managing Director
Tel. +61 419 945 395
paul@prairielithium.com