

NORTH AMERICA'S LARGEST COMMERCIAL DLE UNIT ARRIVES AS PRAIRIE LITHIUM ADVANCES TOWARDS FIRST PRODUCTION

HIGHLIGHTS

- North America's largest Direct Lithium Extraction (DLE) unit has arrived at the Prairie Lithium Project in Saskatchewan, Canada, marking another major milestone toward Phase 1 commercial production.
- Arrival of the commercial-scale DLE unit significantly de-risks the project, building on the existing on-site infrastructure of constructed production / disposal wells, and power infrastructure.¹
- 100% of Phase 1 lithium production is secured under the Company's binding offtake agreement with Hydro Lithium², providing a clear pathway to first revenue.
- The commercial-scale DLE unit is approximately 4 times larger than the commercial DLE system currently deployed at Standard Lithium's Arkansas project, highlighting the scale of Prairie Lithium's initial commercial development.³
- Arrival of the commercial scale DLE unit enables the next phase of installation ahead of commissioning, as Prairie Lithium advances towards first commercial production in Saskatchewan, one of the worlds top-tier, mining-friendly jurisdictions.⁴

Prairie Lithium Limited (ASX: PL9, OTC: PLIXF) ("Prairie", "Prairie Lithium", "PL9" or "the Company"), a company focused on the sustainable development of the Prairie Lithium Project, in Saskatchewan, Canada, is pleased to announce that North America's largest commercial Direct Lithium Extraction Unit (DLE) has arrived on site, marking another major milestone as the Company advances toward Phase 1 commercial lithium production.

This arrival of the commercial-scale DLE unit represents a significant project de-risking event and enables the next phase of equipment installation and commissioning, which remain targeted for Q4 2026. It complements the substantial infrastructure already established on site, including production and disposal wells, electrical infrastructure and the power transformer.

The commercial-scale DLE unit is approximately 4 times larger than the commercial DLE system currently deployed at Standard Lithium's Arkansas project, where a single column was installed in March 2024 and is achieving industry-leading results⁵. This milestone demonstrates the scale of Prairie Lithium's Phase 1 development and the Company's ambition to become a leading commercial DLE producer in North America.

Lithium produced from Phase 1 operation is already secured under the Company's binding offtake agreement with Hydro Lithium, which will purchase 100% of Phase 1 lithium production, providing a clear pathway from commissioning to first revenue.

This represents a significant de-risking event for the project, and complements infrastructure that is already constructed onsite, such as the production wells, disposal wells, and the power transformer.

¹ ASX Announcement – "Construction Nearing Completion with Fully Secured Offtake and Clear Path to First Revenue" – 13 April 2026

² ASX Announcement – "Binding Offtake Secured for 100% of Phase 1 Production WITH ~AU\$10M STRATEGIC COLLABORATION AND DEFINITIVE OFFTAKE" – 2 April 2026

³ NYSE Announcement – "STANDARD LITHIUM REACHES MAJOR OPERATIONAL MILESTONES AT ARKANSAS DEMONSTRATION PLANT" – 22 April 2026

⁴ ASX Announcement – "CONSTRUCTION NEARING COMPLETION WITH FULLY SECURED OFFTAKE AND CLEAR PATH TO FIRST REVENUE" – 13 APRIL 2026

⁵ NYSE Announcement – "STANDARD LITHIUM REACHES MAJOR OPERATIONAL MILESTONES AT ARKANSAS DEMONSTRATION PLANT" – 22 April 2026



With the project's key infrastructure in place, a binding 100% offtake agreement secured and the commercial DLE unit now on site, Prairie Lithium has assembled the critical components required to progress toward Phase 1 production and first revenue.



Figure 1: Prairie Lithium's four-column Commercial Scale DLE Unit at Prairie Lithium site



Figure 2: Prairie Lithium's four-column Commercial Scale DLE Unit at Prairie Lithium site

Prairie Lithium Executive Chairman, Paul Lloyd, commented:

“The arrival of North America’s largest commercial Direct Lithium Extraction unit marks another defining milestone for the company as we advance towards becoming one of North America’s newest commercial lithium producers.

“Over the past 18 months we have continued to execute against each of the major milestones required to advance Prairie Lithium toward commercial production.

“We have de-risked the project through regulatory approvals, construction of key site infrastructure, securing a binding 100% offtake agreement with Hydro Lithium and now the delivery of the commercial DLE unit.

“Supported by our existing infrastructure, scalable development model and binding offtake agreement, Prairie Lithium is well positioned to become one of North America’s leading commercial Direct Lithium Extraction projects.”

About the Prairie Lithium Project

PL9’s Prairie Lithium Project is located in Saskatchewan, Canada, one of the world’s top mining friendly jurisdictions, with key infrastructure including electricity, natural gas, fresh water, paved highways and railroads. The project is being advanced with a focus on scalable lithium brine production and efficient development, leveraging existing regional infrastructure and the Company’s phased development model.

This ASX announcement is authorised for release by the Board.

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