

Conditional Use Permit Granted for Exploration Drilling & Green River Lithium Sample Demonstration Plant

Highlights:

- **Anson has received a Conditional Use Permit (CUP) from the Green River City Planning & Zoning Commission for exploration drilling and operation of its Sample Demonstration Plant at the Green River Lithium Project in Utah.**
- **Green River City Council had recently approved re-zoning of the plant site for mineral processing and exploration activities.**
- **Approval for the exploration drilling program from the Government of Utah is expected in the next few weeks.**
- **The exploration drilling is planned adjacent to the Sample Demonstration Plant site, & brines from the drilled well are then planned to be used directly in the Sample Demonstration Plant.**
- **The Demonstration Plant will seek to replicate operating conditions of Anson's proposed future full-scale production plant for the benefit of potential offtake partners and funders.**
- **Production at the Demonstration Plant is expected to commence in January 2024.**

Anson Resources Limited (ASX: ASN) (Anson or the Company) is pleased to announce it has received a Conditional Use Permit (CUP) from the Green River City Planning & Zoning Commission for exploration drilling on the area of its proposed Utah Sample Demonstration Plant (USDP) at the Green River Lithium Project in the Paradox Basin in south-eastern Utah, USA.

The CUP application was lodged in December 2023 and its approval is an important step in Anson's plans to develop the Green River Project in parallel with its lead project, the nearby Paradox Lithium Project.

The grant of the CUP follows the Green River City Council's approval of the re-zoning of Anson's privately-owned ground at the Green River Project for exploration drilling and mineral processing.

The CUP will allow Anson to conduct exploration drilling adjacent to the proposed USDP, with the aim of utilising the brine from the drilled well directly into the lithium extraction process at the Demonstration Plant to replicate as closely as possible the operating conditions of the Company's proposed future full-scale production plant.

This will include the temperature of the brine and make-up of the brine, including the lithium grade. Anson is of the view that this information will contribute to the further de-risking of the project by helping to provide greater certainty on the attributes of the Project's lithium brines for potential offtake partners.

Sample Demonstration Plant Progress

Anson commenced construction of the USDP in November 2023 (ASX Announcement 23 November 2023). Progress has been achieved in recent weeks with the construction of fencing surrounding the plant site, preparation of a drilling pad, along with connection of grid power and other utilities (Figure 1).

Equipment from the Anson's Lithium Innovation Centre (LIC) has been replicated and will be installed in the USDP. With the CUP now in place, applications for the planned drilling program have been made to the Utah Division of Oil and Gas (UDOGM) and are progressing through the approval stages.



Figure 1: Fenced Area for the Sample Demonstration Plant location at Green River.

The CUP also allows for the Company's planned Visitor Centre to progress at the Green River site. The Company plans to use Visitor Centre and the USDP for meetings with potential off-take partners, OEM's, CAM (Cathode Active Materials) producers and potential funders of the planned full-scale production plant.

The site layout plan for the USDP at Green River is shown in Figure 2. The pad for the drilling program is partially shown in the right side of the image. The USDP and the well will be joined together by a pipeline.

The area re-zoned by the Green River City Council for drilling and processing of minerals includes all of Anson's privately owned land in Emery County, and is shown in Figure 3.

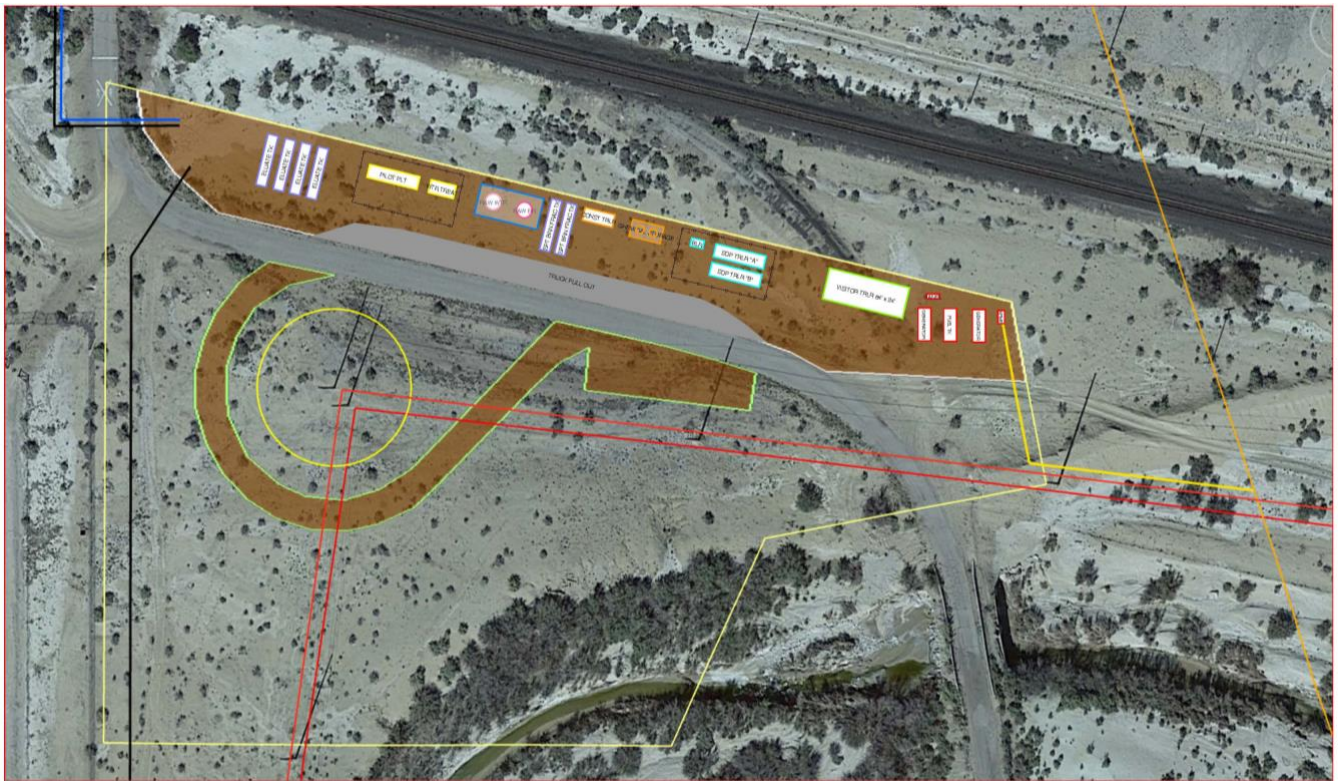


Figure 2: The site layout plan for the Demonstration plant at Green River.

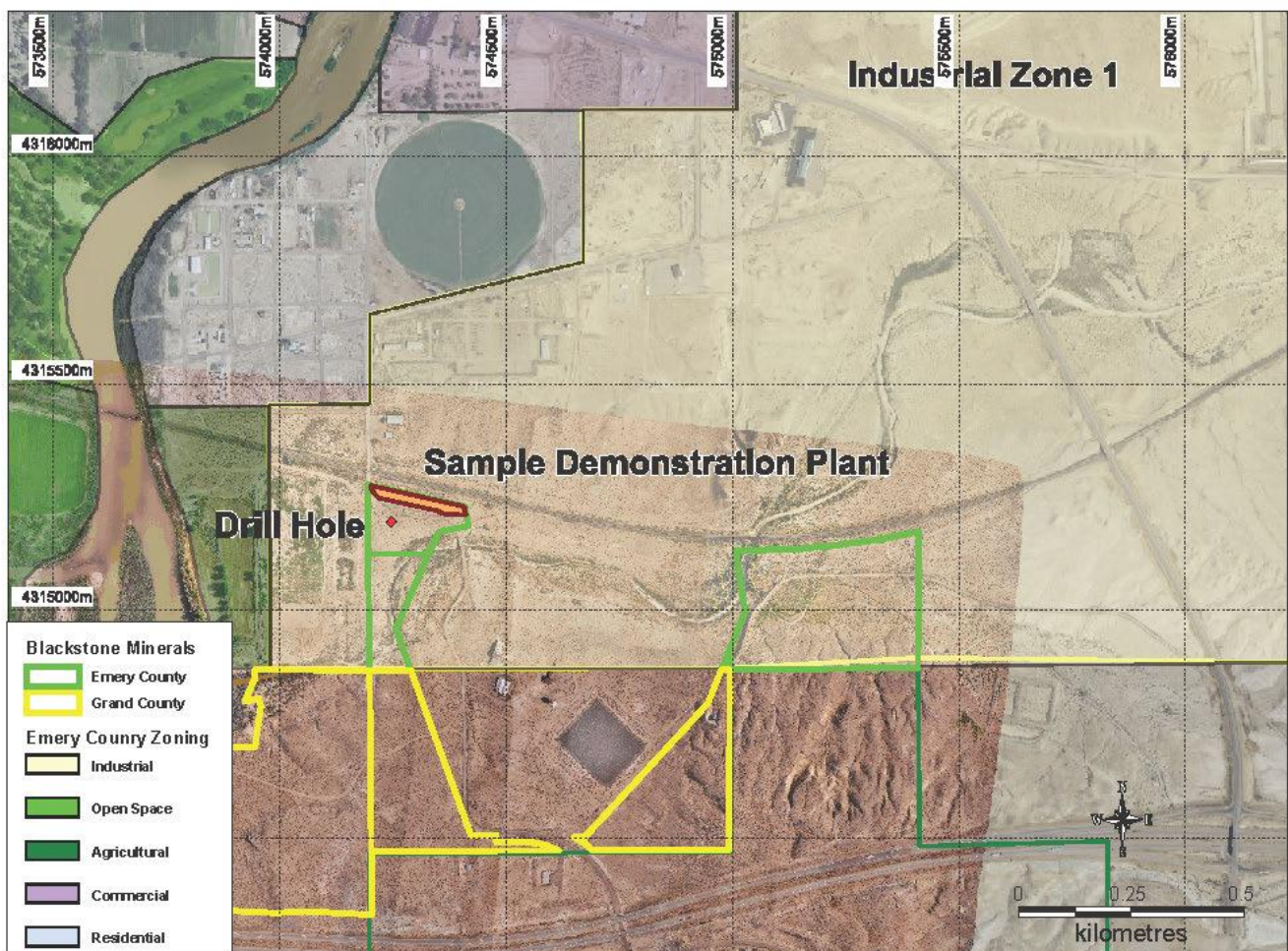


Figure 3: Map of the area Re-zoned for Drilling & Mineral Processing

Background

The first step in the LCE production process is the direct lithium extraction (DLE) which was successfully tested by Anson at an independent laboratory in Salt Lake City (ASX Announcement 14 February 2023). The test work was completed using a small scale DLE pilot plant and consisted of both the adsorption and desorption processes.

The test work program examined the ability of the resin used in the DLE process to selectively adsorb lithium over other elements in the supersaturated brine, including magnesium, potassium, and sodium, over an extended period.

During this extended period of operation, data was collected through each step of the lithium extraction and purification through to the final product. This information will be used to increase the efficiency of the lithium carbonate production process.

The data collected from the continued operation of the Sample Demonstration Plant (SDP) at Anson's LIC in Florida, USA has created a deep understanding of the most advantageous production conditions and processes. It has also produced samples for qualification test work by potential offtake parties, OEM's and CAM producers.

This announcement has been authorised for release by the Executive Chairman and CEO.

ENDS

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About Anson Resources Ltd

Anson Resources (ASX: ASN) is an ASX-listed junior mineral resources company with a portfolio of minerals projects in key demand-driven commodities. Its core asset is the Paradox Lithium Project in Utah, in the USA. Anson is focused on developing the Paradox Project into a significant lithium producing operation. The Company's goal is to create long-term shareholder value through the discovery, acquisition and development of natural resources that meet the demand of tomorrow's new energy and technology markets.

Forward Looking Statements: Statements regarding plans with respect to Anson's mineral projects are forward looking statements. There can be no assurance that Anson's plans for development of its projects will proceed as expected and there can be no assurance that Anson will be able to confirm the presence of mineral deposits, that mineralisation may prove to be economic or that a project will be developed.