

Century Lithium Reconfirms Production Of Battery Grade Purity Lithium Carbonate And Provides Update On Feasibility Study

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VANCOUVER, May 25, 2023 - [Century Lithium Corp.](#) (TSXV: LCE) (OTCQX: CYDVF) (Frankfurt: C1Z) (Century Lithium Company) is pleased to report it has repeated the production of a high-purity lithium carbonate (Li_2CO_3) grading 99.87% lithium-bearing claystone from the Company's 100%-owned Clayton Valley Lithium Project (Project) in Nevada, USA. Solutions of the high purity Li_2CO_3 were made from the intermediate lithium solutions generated in January at the Company's Lithium Extraction Facility (Pilot Plant) in Amargosa Valley, Nevada. Following leaching and direct lithium extraction (DLE) at the Pilot Plant, solutions were shipped to Saltworks Technologies Inc. (Saltworks) where the final processing was completed.

"These results are in line with those we reported in September 2022, when we achieved a significant milestone in making battery-grade lithium carbonate grading 99.94%" stated Bill Willoughby, President and CEO of Century Lithium. "The latest results confirm our ability to obtain a high purity lithium product with a low level of impurities from our claystone process."

Century Lithium has now successfully repeated steps from test mining through to the manufacture of battery-grade Li_2CO_3 . The table below is a comparison of the latest results with those from September 2022. Also shown, are the constituent levels of battery-grade lithium carbonate as published by two major producers. The results for the Company's lithium carbonate materials were finalized by Saltworks and SGS Canada Inc.

		Century Li_2CO_3 May 2023	Century Li_2CO_3 September 2022	Reference Source 1	Reference Source 2
Li_2CO_3	wt%	99.875	99.94	>99.5	>99.5
H_2O	wt%	0.03	0.01	<0.2	<0.5
Na	wt%	0.047	0.02	<0.03	<0.05
Ca	wt%	0.009	0.02	<0.01	<0.04
Fe	Wppm	3	15	10	<5
Al	Wppm	<2	6	10	<10
Cu	Wppm	<4	<4	10	<5
Ni	Wppm	<5	<5	10	<6
Cl	wt%	0.008 %	0.008 %	<0.01%	<0.01%

Notes: wt% (weight percent), wppm (weight parts per million), calculated Li_2CO_3 purity based on sum of impurities measured above detection limit

Source 1 & 2: public company's published composition of battery grade Li_2CO_3 ,

Feasibility Study Update

A Feasibility Study on the Project (Study) began in February 2022, with the engagement of Wood PLC as independent

The Study has progressed well, with contributions from Global Resource Engineers, WSP USA Environment & Infrastructure and thyssenkrupp nucera, and with the support of Century Lithium's personnel and consultants.

Major areas of the Study are completed and estimates for capital and operating cost estimates received, including those for the chlor-alkali plant portion of the Project. Wood is in the process of consolidating the estimates and reviewing them with Century Lithium along with evaluating further optimization and opportunities for cost reductions. This optimization work will extend beyond the previously estimated mid-year completion date for the Study. The Company continues to focus on the Study and will provide updates in due course.

At the Pilot Plant, the collaboration of Century Lithium and Koch Technology Solutions (KTS) is underway testing the KTS Li-Pro&TRADE process for DLE. Century Lithium personnel are working closely with KTS in the testing program, which has completed its third 7-day cycle of operation. Thus far, the KTS process equipment has operated exceptionally well, using the solution from the Pilot Plant, and the Company is very pleased with its performance.

Qualified Person

Todd Fayram, MMSA-QP and Daniel Kalmbach, CPG, are the qualified persons as defined by National Instrument 43-101 and have approved the technical information in this release.

About Century [Lithium Corp.](#)

[Century Lithium Corp.](#) (formerly Cypress Development Corp.) is an advanced stage lithium company, focused on developing the 100%-owned Clayton Valley Lithium Project in west-central Nevada, USA. Century Lithium is currently in the pilot stage of processing material from its lithium-bearing claystone deposit at its Lithium Extraction Facility in Amargosa Valley, Nevada and towards completing a Feasibility Study and permitting, with the goal of becoming a domestic producer of lithium for the electric vehicle and battery storage market.

ON BEHALF OF [Century Lithium Corp.](#)
WILLIAM WILLOUGHBY, PhD., PE
President & Chief Executive Officer

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