

Sigma Lithium Initiates Production Of Green Lithium: Zero Tailings And Low Carbon

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• Sigma Lithium has successfully transitioned from developer to producer with the achievement of first production of Green Lithium. The Greentech Plant is the final critical milestone in the development of the Grotado Cirilo project in Brazil and marks the successful completion of Phase 1 project construction. Sigma Lithium's technical COO Brian Talbot will now turn its attention to ramping up throughput to full production capacity, which it expects to achieve by July 2023. The Greentech Plant is the final critical milestone in the development of the Grotado Cirilo project in Brazil and marks the successful completion of Phase 1 project construction. Sigma Lithium's technical COO Brian Talbot will now turn its attention to ramping up throughput to full production capacity, which it expects to achieve by July 2023.

• Successful initial production runs achieved 75% of nameplate throughput capacity. The Greentech Plant is expected to produce at full production capacity by July 2023.

• Inaugural first shipment is expected to be approximately 15,000 tonnes of Green Lithium, targeted for May 2023. Sigma Lithium has generated significant commercial interest and intends to sell 100% of its ultra-fine tailings, which are expected to be approximately 300,000 tonnes from Phase 1 operations.

• Green Lithium expected to reach the premium specifications set by advanced battery producers:

- Lithium oxide
- Size of particles
- High purity

As the project ramps to full production capacity, high-quality Green Lithium will be stockpiled and prepared for sale, with the inaugural first shipment of approximately 15,000 tonnes expected in May 2023. The Company recently announced that it obtained its environmental operating license to sell all Green Lithium product from current and future production, including stockpiled product.

Ana Cabral-Gardner, Sigma Lithium CEO and Co-Chairperson congratulates the Sigma Lithium team and is pleased that the Company is delivering on its production targets for all of its stakeholders.

"Sigma Lithium was created almost a decade ago and set out to prove that lithium extraction could be done in a way that is environmentally and socially responsible. Reaching this milestone from developer to producer is an incredible achievement and a testament to the many years of hard work of the entire Sigma team. We are thrilled to deliver on schedule for our supporters."

"We are endlessly proud to be producing our first tonnes of Green Lithium, and we hope to shine a spotlight on the tremendous potential for Brazil to be a leader in the energy transition as a key supplier of raw materials that can be mined and processed in a sustainable way for our environment and our communities."

As previously announced, Sigma Lithium continues the detailed engineering work on the Phase 2 & 3 Greentech Plant targeting to triple production of Green Lithium from 270,000 tpa to 766,000 tpa, if supported by the Feasibility Study currently being conducted.

QUALIFIED PERSONS

Mr. Wes Roberts, P.Eng., co-head of the technical committee of the Company, is the "qualified person" under National Instrument 43-101 who reviewed and approved the other technical information included in this news release.

ABOUT SIGMA LITHIUM

Sigma Lithium (NASDAQ: SGML, TSXV: SGML) is a company dedicated to powering the next generation of electric vehicles with batteries with environmentally sustainable and high-purity lithium.

Sigma Lithium has been at the forefront of environmental and social sustainability in the EV battery materials supply chain for years and it is currently producing Green Lithium from its Grotado Cirilo Project in Brazil. Phase 1 of the project is expected to produce 270,000 tonnes of Green Lithium annually (36,700 LCE annually). If it is determined to proceed, Phase 2 & 3 of the project are expected to increase production to 766,000 tonnes annually (or 104,200 LCE annually). The project produces Green Lithium in a state-of-the-art Greentech lithium plant that uses 100% renewable energy, 100% recycled water and 100% dry-stack tailings. Please refer to the Company's technical report titled "Grotado Cirilo Lithium Project, Araçuaí and Itinga Regions, Minas Gerais, Brazil" for more information.

Brazil, Updated Technical Report" dated October 31st, 2022, which is filed on SEDAR and is also available on the Company's website.

For more information about Sigma Lithium, visit <https://www.sigmalithiumresources.com/>

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