

Giyani Announces Demonstration Plant Update

08.06.2023 | [GlobeNewswire](#)

TORONTO, June 08, 2023 - [Giyani Metals Corp.](#) (TSXV: EMM, GR: A2DUU8) ("Giyani" or the "Company"), the developer of the K.Hill battery-grade manganese project in Botswana ("K.Hill" or the "Project"), is pleased to provide a progress update on the construction of the K.Hill demonstration plant ("Demo Plant") in Johannesburg.

Highlights

- Key plant components continue to be delivered to the Demo Plant site, including the ball mill, classification screens, filter presses, boiler, compressors and vessels.
- The fully fabricated 15 meter ("m") tall crystallization unit is due for installation in the coming weeks.
- The Company recently hosted a site visit by several financial institutions to the Demo Plant.

Demo Plant Update

Throughout May, several key elements of the Demo Plant were delivered to the site, including the ball mill, classification screens, four specialist filter presses, the product dryer and the boiler. Civil works at the Demo Plant facility are near completion to allow delivery and erection of the crystallization unit, which is fully fabricated and packed for transport along with all its ancillary equipment. As the crystallizer is a modular design, most of the internal equipment such as the vessels, piping and valves are integral to the structural units, facilitating rapid reassembly on site.

The crystallization unit stands at over 15 m tall and will allow the Demo Plant to produce up to 600 kg of dry high-purity manganese sulphate monohydrate ("HPMSM") crystals per day depending on feedstock characteristics. The scale of crystallization unit is a critical element of the Demo Plant design, which is tailored to produce HPMSM crystals meeting the rigorous product specification set by potential customers, as part of steady state operations.

Recently, the Company and its specialist hydrometallurgical consultants, MET63 (Pty) Limited, hosted a select group of financial institutions at the Demo Plant site to review progress.

Danny Keating, CEO of the Company, commented:

"We are pleased to provide an update on the ongoing progress that the Company is making in the development of our Demo Plant in Johannesburg. The Demo Plant is an ambitious undertaking in terms of the size and scale of the facility and is a critical step in de-risking the commercial & technical development of the Project. The product from the Demo Plant will also pave the way for off-take contracts with battery and original equipment manufacturers."

"We were also delighted to welcome a group of financial institutions to the site in Johannesburg and highlight the significance of the work to date."

About Giyani

Giyani's mission is to become a sustainable, low carbon producer of battery materials for the electric vehicle ("EV") industry. The Company has developed a hydrometallurgical process to produce high-purity manganese sulphate monohydrate, a lithium-ion battery cathode precursor material critical for EVs, directly from ore from its manganese oxide deposits in Botswana, wholly-owned by its Botswana subsidiary Menzi Battery Metals (Pty) Limited. The Company's assets include K.Hill and the Otse and Lobatse manganese prospects, each of which has seen historical mining activities.

Qualified Persons / NI 43-101 Disclosures

Mr. Jacques du Toit CEng. PrEng. MscEng. PMP is a qualified person, as defined by National Instrument 43-101. Mr. du Toit is the Company's VP, Technical Services and has reviewed and approved the scientific and technical content contained in this press release but is not independent for the purposes of NI 43-101.

On behalf of the Board of Directors of [Giyani Metals Corp.](#)

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