



## Giyani Completes the Solvent Extraction Phase of the Hydrometallurgical Testing Program of its K.Hill Manganese Material

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OAKVILLE, Ontario, June 07, 2019 -- Giyani Metals Corp. (TSXV:EMM) (FRANKFURT:KT9) (WKN:A2DUU8) (“**Giyani**” or the “**Company**”) is pleased to announce the completion of the solvent extraction phase of its on-going hydrometallurgical testing program. The extraction tests were performed on manganese mineralized material taken from the Company’s K.Hill deposit in Botswana. The final stage of the program, electrowinning, is underway and is expected to be completed in the near future.

The solvent liquid extraction process is a circuit combining extraction, stripping and precipitation stages. The tests were performed by Lab4 Inc. and the Dalhousie Minerals Engineering Centre. The purpose of the extraction tests is to purify the leached solutions that were obtained from the acid leaching phase for samples MT10, and MT11. Leaching results for these two samples were announced in a news release on May 6, 2019. Purifying the leached solutions from deleterious metal ions results in a highly pure manganese solution that is suitable for electrowinning to produce high-purity electrolytic manganese metal (“HPEMM”), a key component that is needed for the production of batteries for the growing electric vehicle market.

The table below highlights the extraction results

Sample	Mn ppm	Mn Recovery	Fe ppm	Fe Recovery	pH
MT10	16908	95.8%	30.3	1.2%	3.0
MT11	12222	96.7%	0.2	<1.0%	3.65

The manganese recoveries are above 95% and highly suitable for the overall process. In addition, the iron recoveries are within the acceptable limits for the subsequent electrowinning phase. These recoveries can be further fine-tuned in the final circuit design by adjusting key leaching and extraction parameters potentially resulting in higher manganese recoveries and lower iron recoveries.

Robin Birchall, CEO of Giyani commented:

*“We are very pleased with these extraction results as they represent the most technically challenging steps of the overall SX-EW process. The results bring us one step closer to finalizing the hydrometallurgical process route to making our intended end product, EMM. The key takeaway from these results is that we can achieve economically viable compounded recovery levels at the leaching and extraction phases and produce a manganese solution that is suitable for electrowinning to produce high-purity EMM.”*

The extraction tests were performed on leached solutions of samples MT10 and MT11 that were collected from drill cores extracted during the Company’s drilling program in the summer of 2018. The cores were from a hole that was specifically drilled for hydrometallurgical testing and is deemed representative of the K.Hill deposit.

Ian Flint, Ph.D., P.Eng, is the qualified person, as that term is defined by National Instrument 43-101, on behalf of the Company and has approved the scientific and technical content contained in this press release.

### **About Giyani**

Giyani Metals Corp. is a Canadian junior exploration company focused on creating shareholder value by accelerating the development of its high-grade manganese project in the Kanye Basin, Botswana, Africa. Additional information and corporate documents may be found on [www.sedar.com](http://www.sedar.com) and on Giyani Metals Corp. website: <http://giyanimetals.com/>.

On behalf of the Board of Directors of Giyani Metals Corp.

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Giyani's forward-looking information is based on the reasonable beliefs, expectations and opinions of their respective management on the date the statements are made, and Giyani does not assume any obligation to update forward looking information if circumstances or management's beliefs, expectations or opinions change, except as required by law. For the reasons set forth above, investors should not place undue reliance on forward-looking information. For a complete discussion with respect to Giyani and risks associated with forward-looking information and forward-looking statements, please refer to Giyani's financial statements and related MD&A, all of which are filed on SEDAR at [www.sedar.com](http://www.sedar.com).

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