

MGX Minerals - Engineering Partner PurLucid Treatment Solutions Announces Patent Filing

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Exclusive License for Low Energy Process for Rapid Extraction of Lithium and Other Minerals from Oil Wastewater

VANCOUVER, July 6, 2017 - [MGX Minerals Inc.](#) ("MGX" or the "Company") (CSE: XMG / FKT: 1MG / OTC: MGXMF) is pleased to report that engineering partner PurLucid Treatment Solutions Inc. ("PurLucid") has filed a new provisional patent related to the recovery of metals and minerals from produced wastewater brine in the oil and gas industry. Patent rights have been exclusively granted to MGX for the life of the patent and focus on concentrating metals and minerals such as lithium, magnesium and boron from produced oilfield brines.

The new patent directly complements the Company's other provisional patent, which purifies wastewater brine through an added evaporation cycle. Combined, this Cleantech process positions the Company to provide flexible and fully integrated oilfield solutions to oil and gas operators. Pre-commercial test pilot plants are currently being manufactured and engineering is underway for a 1,200-cubic meter per day commercial plant to target metal and mineral extraction as well as water reuse and re-purpose applications.

The invention relates to recovery of metals and minerals from produced or wastewaters from the hydrocarbon industry. These waters are produced in large volumes annually throughout the hydrocarbon industry, are a considerable logistical and environmental liability for the companies producing them, and according to the claims herein, can be treated making some portion of the water reusable while also extracting metals and minerals during the treatment process.

Aspects of the invention provide systems and methods for the treatment of waters produced by the hydrocarbon industry that allows recovery of water, metals and minerals as practical resources. The system for treatment and metal and minerals recovery may be incorporated into an industrial water treatment system or stand alone as a complete system.

Qualified Person

The technical portions of this press release were prepared and reviewed by Andris Kikauka (P. Geo.), Vice President of Exploration for MGX Minerals. Mr. Kikauka is a non-independent Qualified Person within the meaning of National Instrument (N.I.) 43-101 Standards.

MGX may decide to advance its petrolithium projects into production without first establishing mineral resources supported by an independent technical report or completing a feasibility study. A production decision without the benefit of a technical report independently establishing mineral resources or reserves and any feasibility study demonstrating economic and technical viability creates increased uncertainty and heightens economic and technical risks of failure. Historically, such projects have a much higher risk of economic or technical failure.

About MGX Minerals

MGX Minerals is a diversified Canadian resource company with interests in petrolithium, magnesium and silicon assets throughout North America. Learn more at www.mgxminerals.com.

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