



BACTECH ENVIRONMENTAL TARGETS MERCURY REDUCTION IN MINING

Toronto, Canada, April 22, 2015 - BacTech Environmental Corporation ("BacTech" or the "Company", CSE: BAC, OTC: BCCEF, WKN: A1H4TY) today announced that in addition to its tailings activity in Bolivia, the Company has launched a new initiative to reduce the amount of mercury used in artisanal/small mining operations.

There are areas of northern Peru and southern Ecuador where artisanal miners are mining complex sulphide (refractory) mineralized material as the near-surface oxidized material becomes depleted. In many instances, mercury is used by the miners, who obtain as little as 10% of the contained gold from this difficult-to-treat mineralized material. The remainder of the material is then sold for little value and/or trucked 1,100 km to the southern region for eventual smelting. This presents a real opportunity for BacTech to make a large contribution to the reduction of mercury, arsenic and cyanide contamination in the environment while giving substantial increases in gold recovery. This is achievable through the use of relatively simple gravity and flotation circuits and BacTech's bioleaching technology to process the mineralized material, without using mercury and reducing other chemical requirements.

Recently the government of Peru enacted legislation to encourage artisanal miners to apply for legal mining licenses, stating that artisanal miners have been contributing up to one million ounces of gold production annually. The origin of much of this gold has been difficult for government authorities to ascertain. Peru has initiated a formalization process designed to register all small-scale and artisanal mining operations. The registration allows the government to monitor and regulate health and safety, and environmental issues for miners, and will allow these operations to legally sell their mineralized material to toll-milling facilities approved by the government.

This has led to increasing interest, predominantly among Canadian companies, to set up processing facilities for conventional processing. All of these facilities have been designed to process oxide material and "easy" or non-refractory sulphide material. The resulting sulphide concentrates are then treated with cyanide to liberate the precious metal, but often results in poor gold recovery due to the presence of refractory gold that is not recovered by such processing. Dynacor, Inca One, Standard Tolling and Anthem United are examples of companies either processing material today or planning to build processing facilities in Peru.

The grades of the refractory arsenopyrite-rich material in this area are very high. It has been reported that arsenopyrite gold concentrate grades of 150 gpt (5 ounces) and higher are common, given the high grade material that is processed. There is a strong business case to establish a gravity/flotation plant and a bioleach processing facility in a strategic location to address these refractory issues. The plant would eliminate the need to deliver arsenic sulphides 1,100 km on public highways to the south for processing.

This problem is not limited to Peru and Ecuador as there are other countries, such as Colombia and Nicaragua, that have similar issues.

There is no doubt that bioleaching can play a big part in alleviating the mercury issues related to artisanal mining. BacTech will be aggressively pursuing these opportunities as they are presented.

Gary Williams, PGeo, is a qualified person as defined by National Instrument 43-101, and has reviewed and approved the content of this release.

Company Profile

BacTech Environmental Corporation holds the perpetual, exclusive, royalty-free rights to use the patented BACOX bioleaching technology for the reclamation of tailings and mining waste materials. The Company's principle focus is a high-grade silver/copper tailings project called Telamayu, located in Atocha, Bolivia, in association with COMIBOL, the state mining group. The Company continues to field enquiries globally with respect to additional opportunities for remediation, including licensing transactions for the technology.

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Special Note Regarding Forward-Looking Statements

This news release contains "forward-looking information", which may include, but is not limited to, statements with respect to future tailings sites, sampling or other investigations of tailing sites, the Company's ability to make use of infrastructure around tailings sites or operating performance of the Company and its projects. Often, but not always, forward-looking statements can be identified by the use of words such as "plans", "expects", "is expected", "budget", "scheduled", "estimates", "forecasts", "intends", "anticipates", or believes" or variations (including negative variations) of such words and phrases, or state that certain actions, events or results "may", "could", "would", "might" or "will" be taken, occur or be achieved. Forward-

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looking statements involve known and unknown risks, uncertainties and other factors which may cause the actual results, performance or achievements of the Company to be materially different from any future results, performance or achievements expressed or implied by the forward-looking statements. Forward-looking statements contained herein are made as of the date of this news release and the Company disclaims, other than as required by law, any obligation to update any forward-looking statements whether as a result of new information, results, future events, circumstances, or if management's estimates or opinions should change, or otherwise. There can be no assurance that forward-looking statements will prove to be accurate, as actual results and future events could differ materially from those anticipated in such statements. Accordingly, the reader is cautioned not to place undue reliance on forward-looking statements.

Shares outstanding 42,393,994

The Canadian Securities Exchange (CSE) has not reviewed and does not accept responsibility for the adequacy or the accuracy of the contents of this release.