
NEWS RELEASE

BacTech Environmental Joins Ontario Government Delegation at Green Expo 2023 in Mexico City and Monterrey

Invitation to Cleantech Commercial Trade Mission Represents Golden Opportunity to Showcase Sustainable Mining Solutions and Discuss Trends Within the Mexican Environmental Sector

TORONTO, ON, June 29, 2023 – [BacTech Environmental Corporation](#) (CSE: BAC, OTC: BCCEF, FSE: 0BT1) (“BacTech” or the “Company”), a commercially proven environmental technology company delivering eco-friendly bioleaching and remediation solutions for precious metal and critical mineral recovery, today announced it is joining the Canadian Delegation at Green Expo 2023, held September 4-8, 2023 in Mexico City. This initiative is organized in collaboration with the Ontario Trade and Investment Office in Mexico and Global Affairs Canada to support Canadian companies that wish to explore business opportunities in Mexico and Latin America.

Green Expo is a premier event for sustainable solutions and technologies that brings relevant cleantech industry players together with key decision-makers from the entire industrial value chain in Mexico and Latin America. Green Expo also provides a platform that facilitates partnerships, the creation of alliances, and sharing of best practices between local and international businesses.

“Green Expo represents an excellent opportunity to present BacTech’s proprietary and eco-friendly bioleaching solution to recover metals like gold, silver, cobalt, nickel, and copper, while also safely removing harmful contaminants like arsenic,” said Ross Orr, CEO of BacTech Environmental Corp. “Attending the Mission is an incredible opportunity for BacTech to advance international awareness and explore new partnerships in key markets across Mexico and Latin America. We are grateful for the Ontario Government’s strong support and are proud to join an elite delegation of companies committed to improving environmental and social practices through sustainable innovation.”

The 2023 edition of Green Expo will cover: Environmental Solutions; Recycling and Waste Management; Sustainable Construction; Circular Economy Solutions; Eco-Innovation; Bio-Mass and Bio-Gas Solutions; Cogeneration; Renewable and Clean Energy; and Water Solutions.

About BacTech Environmental Corporation

BacTech Environmental Corporation is a company that specializes in environmental technology. We use a process called bioleaching to recover metals like gold, silver, cobalt, nickel, and copper, while also safely removing harmful contaminants like arsenic. This process is eco-friendly and uses naturally occurring bacteria that are safe for both humans and the environment. By using our proprietary method of bioleaching, we are able to neutralize toxic concentrates and tailings while

also creating profitable opportunities. The company is publicly traded on several stock exchanges, including the CSE, OTCQB, and Frankfurt Stock Exchange.

About the Tenguel – Ponce Enriquez Bioleaching Project

BacTech is planning to build a new owner-operated bioleaching facility in Tenguel, Ecuador, in a region where arsenic is associated with sulphide gold ore (Arsenopyrite). The Company's plan is to build a 50 tpd bioleach plant capable of treating high gold/arsenic material. A 50 tpd plant, processing feed of 1.75 ounces of gold per tonne, similar to feeds available to the Company from local miners, would produce approximately 31,000 ounces per year. Plant designs are modular and can be expanded without affecting ongoing production. The total concentrate market in the Ponce Enriquez area is estimated to be between 200 and 250 tonnes per day, allowing for increased throughput potential with a larger plant. BacTech has signed an agreement with the government to build a Phase 2 plant that would see the addition of 150-200 tpd of capacity capable of producing in excess of 100,000 ounces per annum.

Key economic highlights, assuming a base gold price @ \$1,600 per ounce:

- Pre-tax NPV (Net Present Value with 5% discount rate) of \$60.7M
- Pre-tax IRR (Internal Rate of Return) of 57.9%
- Annual Gold Production of 30,900 ounces
- Capital Cost of \$17.0M
- Bioleach Operating Cost of \$212 per tonne
- Pre-tax Earnings Prior to Employee Bonus – \$10.9M annually
- Estimated local employee bonus pool – \$1.64M

In total, there are over 100 small mines operating in the area. BacTech continues to investigate the prospects of establishing additional modern bioleaching facilities across other areas of Ecuador, Peru, and Colombia. Where possible, the Company will partner with national and local governments, non-governmental organizations (NGOs) and others to assist with the funding of these projects and ensure that they meet the Company's high expectations not only for environmental standards, but also for the highest standards in all ESG considerations.

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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 using 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-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 because 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.

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.

This press release does not constitute an offer to sell or a solicitation of an offer to buy any of the shares, nor is it a solicitation of interest from a prospective investor.