

# BacTech Releases Positive Flotation Results for Telamayu Tailings

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TORONTO, CANADA--(Marketwired - Apr 28, 2014) - [BacTech Environmental Corp.](#) ("BacTech") (CSE:BAC)(OTC:BCCEF) (WKN: A1H4TY) announced today the initial flotation results for the Telamayu tailings project located in Potosi state, Bolivia.

BacTech enlisted the services of SGS Bolivia S.A. to oversee the sampling of some 2,000 bags of tailings assembled by COMIBOL, the Bolivian state mining company. In essence material was bagged at 1 meter intervals by COMIBOL from 8 test holes of roughly 10 meters in depth. A "pipe" was used to extract a sample from every bag and a larger sample of 200 kg was created. This larger sample was bagged and secured at site before making its way to Lima, Peru. From there, the samples were shipped to Inspectorate Exploration and Mining Services Ltd. in Vancouver, Canada. The Company has not investigated or verified the sampling program conducted by COMIBOL.

## Assay chart

Element	Unit	Telamayu Tailing Comp.
Ag	g/mt	275.0
Au	g/mt	.24
As	ppm	3145
Sb	ppm	953.61
Cu	ppm	22417
Bi	ppm	557.97
Sn	ppm	1571.8

## Flotation results

Element	Max.metal recovered to concentrate	Recovery
Ag	35 oz/t	60-64 %
*Cu	4.2-4.4 %	33-35 %
As	0.65 %	n/a

\*Copper recovery is 33-35% of the remaining unoxidized sulphides in the tailings.

It was noted that roughly 50% of the sulphides in the sample had been oxidized. Two rougher kinetic flotation tests were carried out on the sample at different grinds to evaluate the tailings response to flotation. Results from these preliminary tests showed that after four stages of rougher flotation approximately 15% of the material was removed to a bulk rougher concentrate assaying 31-35oz/t silver (60-64% recovery), 4.2-4.4% (33-35% recovery) copper and 0.65% arsenic. Additional tests will be undertaken to attempt to improve the recoveries for the silver component.

In addition to silver and copper the assays showed significant values reported for tin, antimony and bismuth. Gravity work will also be undertaken to compliment this preliminary flotation work. The objective will be to evaluate possible benefits of applying both techniques for upgrading metals of value into concentrates for further treatment. For example the tin grade of the sample was assayed at 0.157% equating to 3,900 tonnes of contained tin (current price \$23,500/t).

The copper recovery into concentrate at first glance would appear to be disappointing but upon further investigation it appears that approximately one half of the copper was extracted before flotation into the grind/wash water. If this is the case then recoveries of up to 80% were achieved if the wash water is included in the calculation. That is to say an operation may include a washing process from which the soluble copper

is recovered prior to flotation.

BacTech will continue to investigate different approaches combining gravity for free silver and tin with flotation for silver and copper.

#### About Telamayú

COMIBOL advised that the tailings at Telamayú were generated by a centralized milling operation that treated material from 2 local mines, namely Animas and Seven Suyos. The site contains some infrastructure including an operating rail line, a power substation, a reliable water source and a plant housing that could possibly be used to house a flotation circuit. COMIBOL has estimated that there are approximately 2.3M tonnes of tailings attributable to the above assay results, and across the river is an additional 3M tonnes of tailings from the same source, but no work has been initiated there at this time. In addition, there are 2 additional tailings sites within 50 km that could be investigated in future.

The tonnages provided by COMIBOL are of a historical nature and have not been confirmed by the Company. BacTech is not treating the historical estimate as current mineral resources or mineral reserves as they are not NI 43-101 compliant. The Qualified Person ("QP") on the press release is Gary Williams, P.Geo.

#### **BacTech Profile**

[BacTech Environmental Corp.](#) holds the perpetual, exclusive, royalty-free rights to use the patented BACOX bioleaching technology for the reclamation of tailings and mining waste materials. In November 2011, BacTech signed a contract with the Mines Branch of the Manitoba Department of Innovation, Energy and Mines, to remediate an arsenopyrite gold stockpile situated at the Snow Lake Mine in Snow Lake, Manitoba. The Company continues to field enquiries globally with respect to additional opportunities for remediation.

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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-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 48,755,027**

*The Canadian National Stock Exchange (CNSX) has not reviewed and does not accept responsibility for the adequacy or the accuracy of the contents of this release.*

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