

**For Release 9:00am EST
January 23, 2021**

Carbon-Negative Mine Processing

Bio-Mine is Prototyping Carbon-Negative Leaching Design

Sudbury— January 23, 2021 - Carbon footprint will soon become a major headache and cost for mining, if it is not already. As governments decide the best system to regulate carbon taxes, Bio-Mine spends full time on organic technologies to reverse this trend.

With the help of our large mining partners over the past 3 years, Bio-Mine Ltd has completed the first flow sheet design for its proprietary N.C.F.L (Negative Carbon Footprint Leach).

The idea of this system of tanks, pumps, automation, and irrigation for heaps is to ‘remediate waste, to produce the necessary leaching technologies.’ Our system will accept specific Carbon Waste products as **Feed** for a powerful custom bio-community inside the tanks. These ‘bio-soldiers’ will be programmed to thrive on the waste feed, and designed for targets in the ore i.e silicates, or sulfides...etc,. And when plentiful enough inside the tanks, are unleashed on the heap to begin disintegrating the rocks and liberating the metals AND our technology removes **Carbon Dioxide from the air**. This perpetual leaching system is removing carbon while producing none. Thus, Negative Carbon Footprint. And it costs **NOTHING!**

“It doesn’t get any better for mining operators than this. To take in negative carbon points while recovering metals not possible conventionally for next to nothing in cost, is perfection for any mining companies searching for answers to safely recover from their low-grade ore and/or tailings.”

Kurtis Vanwallegham – CEO – Bio-Mine Ltd.

The team inside Bio-Mine have released its first design for recovery from ‘major silicate type ore bodies or tailings’. The first FEED system engineered is the waste product from the **bio-diesel industry** which is filled with toxic Carbon waste and other toxins that will feed a specially designed biomining community.

The process design for the operation is complete and a full ‘Proof of Concept’ was completed in 2020 with a resounding success right here in Sudbury. We are currently working on the prototype on the engineered design for a pilot.

The recovery of the technology chosen for this prototype was also a resounding success having disintegrated enough silicate ore to expose the sulfides hosting the PGM’s and increase the leaching 3000% over any conventional leach with only 30 days exposure. (*see previous Press Release on our newest ‘biomining technology’*)

“This is super exciting, but now the hard part starts, as we will need the support of the mining community to bring this to commercial application. If you have tailings or low-grade ore just sitting there, costing you money, join us and let’s set up an N.C.F.L together.”

Kurtis Vanwallegham – CEO – Bio-Mine Ltd.

Contact Kurtis for a full presentation in this new frontier for low grade ore...

###

For more information, press only:

Kurtis Vanwallegham
1-705-222-2847 Ext 101
kurtis@biomine.ca

For more information on Bio-Mine Ltd.: <http://www.biomine.ca>