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Itronics Announces: Positive Results From KAM-Thio Tests With Comstock Mining to Recover Silver, Gold While Neutralizing Cyanide

RENO, Nev., May 03, 2018 (GLOBE NEWSWIRE) -- Comstock Mining Inc. (NYSE American:LODE) in an April 26th news release reported positive results from initial testing in collaboration with Itronics Inc. (OTC:ITRO), of Itronics' KAM-Thio, clean processing technology, on Comstock Mining's silver-gold heap leach tailings. The Company's cyanide leaching process has historically recovered approximately 80-89 percent of its gold and 50-59 percent of its silver. KAM-Thio leaching test results, performed at independent metallurgical labs, are demonstrating that the residual silver, gold, base metals, and cyanide can still be recovered from the previously leached material, creating a potentially efficient and environmentally attractive process.

Measurements also indicate that zinc, as well as copper and cobalt, although in smaller quantities, are also being recovered. The metals were recovered while the new Itronics' KAM-Thio residual solution was substantially regenerated during the extraction process, thereby reducing the net consumption of the materials, and creating a potentially compelling economic solution.

Test results also showed that the cyanide residual in the cyanide leached material was removed by the new leaching process, neutralizing the solution to drinking water standards. These results could dramatically reduce reclamation costs and associated bonding, while adding the prospect of reuse of the material for mine reclamation purposes. All tests and results were performed with independent, metallurgical laboratories.

"We now know that we can recover substantially all of the residual silver, gold and base metals while neutralizing the cyanide. The results are very positive and justify continued feasibility work for assessing process economics. If this technology can efficiently recover these materials, then it could become a substitute for the use of cyanide, and significantly change the permitting, reclamation and processing cost profile for these types of mining projects." stated Corrado DeGasperi, Executive Chairman and CEO, Comstock Mining, Inc.

The Company anticipates completing screening level economics during the second quarter and believes that these materials can also work on virgin, mineral bearing material that has not been leached by cyanide. Samples of virgin material from the Dayton resource area have already been delivered to Reno labs for testing.

About Itronics

Headquartered in Reno, Nevada, Itronics Inc. is a "Creative Green Technology" Company which produces GOLD'n GRO specialty liquid fertilizers, silver bullion, and silver-bearing glass. The Company's goal is to achieve profitable green technology driven organic growth in specialty GOLD'n GRO fertilizers, silver, zinc, and minerals. The Company's technologies maximize the recovery and uses of metals and minerals and by doing this it maximizes sustainability.

Through its subsidiary, Itronics Metallurgical, Inc., Itronics is the only company with a fully permitted "Beneficial Use Photochemical, Silver, and Water Recycling" plant in the United States that converts 100 percent of the spent photoliquids into GOLD'n GRO liquid fertilizers, silver bullion, and silver bearing glass. This is internationally recognized award winning "Zero Waste" Technology. The Company is developing a portfolio of environmentally beneficial "Zero waste" processing and mining technologies. Itronics has received numerous domestic and international awards that recognize its ability to successfully use chemical science and engineering to create and implement new environmentally green recycling and fertilizer technologies.

The Company's environmentally friendly award winning GOLD'n GRO liquid fertilizers, which are extensively used in agriculture, can be used for lawns and houseplants, and are available at the Company's "e-store" on Amazon.Com. Due to expanded retail customer interest, GOLD'n GRO fertilizer may now be purchased in Reno, Nevada at the "Buy Nevada First Gift Shop" at 4001 S. Virginia St.

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