



For Immediate Release

Eco-Tec Awarded Contract for Acid Purification System to Mopani Copper Mines

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PICKERING, ECO-TEC INC.: Eco-Tec is proud to announce that it has recently been awarded the contract for an Acid Purification System (APU[®]) to Mopani Copper Mines, located in the Copperbelt of Zambia.

Mopani Copper Mines, an integrated copper and cobalt producer, wanted to improve the productivity and efficiency of the site. They were looking to control the level of Metallic Contamination within the Liberator Cell Acid Circuit. They required a fully automated system with low maintenance.

The system consists of dual Spectrum Micro Media Filters and an APU[®] for the purification of sulfuric acid. The Spectrum Micro Media Filters are used to remove suspended solids from the sulfuric acid solution. Filtered solution is then transferred to the APU feed tank. The APU is an ion exchange column. The process works on the principle that the certain ion exchange resins have the capability to sorb strong acids from the solution while excluding metallic salts of those acids. The APU recovers the sulfuric acid in bleed electrolyte rather than neutralizing the acids. The process is reversible, in that acid can be readily desorbed from the resin with water, and therefore, it is possible to separate the free acid from the metal by alternatively passing contaminated acid and water through a bed of this resin.

Eco-Tec Inc. is a manufacturer of water treatment and chemical recovery systems based on its proprietary Recoflo[®] ion exchange and resin sorption processes.

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