

Selective separation technology

KBF Pollution Management Inc., the United States, is offering a proven wastewater treatment technology that separates, removes and recovers a wide range of metallic and non-metallic elements from liquid waste. The patented 'Selective Separation Technology' (SST) minimizes or eliminates cost factors traditionally associated with conventional waste management processes. Through resource recovery, SST recycles otherwise hazardous metals in their elemental state at highly competitive prices.

SST-Tellus™ is a solid waste metal mining and remediation process that completely remediates metal bearing solid wastes. It recovers and reclaims valuable commodities from incinerator ash, hazardous sludge, bag-house dust and dredge material. At the core of this system is an advanced chemical precipitation process that dissolves metals into a liquid matrix and then complexed in a form preferred by end-users. Some of the benefits and cost-savings offered by this system include:

- Comprehensive solid waste remediation;
- Production of valuable ore-quality commodities;
- Elimination of 'Cradle to Grave' liability; and
- Elimination of the need to landfill or incinerate.

SST-Toxicure™ is a production and manufacturing metal recovery technology. This system is based on an advanced chemical precipitation process in which adverse metals are targeted and selectively removed at maximal levels of efficiency. It requires minimal or no chemical manipulation prior to application and can be applied in highly acidic or alkaline conditions. This system selectively strips undesirable metals from intermediary process liquids while leaving beneficial metals needed for production in solution and sustaining the general chemical character of the liquid. Commercial applications include cleansing of production acids for steel, fertilizer and battery manufacturing processes and polishing of finished products for the micronutrient and other assorted industries. *Contact: KBF Pollution Management Inc., Corporate Headquarters, KBF Plaza, 1, Jasper St., Paterson, NJ 07522, the United States. Tel: +1 (973) 9427 700/(800) 3661 426; Fax: +1 (973) 9427 527; E-mail: kbf-pmi @kbf-pmi.com.*