

Chemicals extraction from saline waste streams

Geo-Processors Pty. Ltd. of Australia offers SAL-PROC™, a process that recovers chemical compounds from concentrated saline solutions, enabling saline effluent to be converted into saleable products. This proven technology uses no harmful chemicals, minimises waste disposal requirements and is cost-effective, safe, simple and environmentally sustainable. Most other saline waste disposal methods – whether directly to sewers or water bodies, or through evaporation basins – are not environmentally sustainable. Harvesting salt is not economical and simply creates further waste.

SAL-PROC™ saline effluent removal

SAL-PROC™ integrates well established technologies in a new hydro-metallurgical process route, which uses sequential precipitation and crystallisation to extract dissolved elements in the form of valuable chemical compounds. Closed processing and fluid flow circuits enable the saline stream to be exhaustively consumed. The process enables saline effluents to be totally removed from the water cycle and salinity affected areas. It also generates valuable salt compounds and chemical products – in slurry, crystalline and liquid forms – for diverse industrial, agricultural and environmental applications. *Contact: Geo-Processors Pty. Ltd., Unit 3, 2A Pioneer Ave., Thornleigh, NSW 2120, Australia. Tel: 61 (2) 9980 1622; Fax: 61 (2) 9980 1633; E-mail: a.arakel@geo-processors.com.au; Website: www.geo-processors.com.au.*

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