

## Overview of the Separation Processes Studied Worldwide for the Actinides in Spent Fuels - ABSTRACT

Worldwide, much work has been done to develop Separation Processes for Actinides in spent fuels from Advanced fuel cycles to achieve total actinide separation and burning to reduce Long Term Waste Management(LTWM) problems with the well established "PUREX" process to separate U ,NP and PU followed by :

\*solvent extraction cycles on the highly active raffinate.

\*\*The "DIAMEX"and "SANEX" processes.

\_A summary of the conclusions of the review of the International advanced methods of separation processes for actinides and on the results of the sensitivity studies is presented in this scientific paper.