

# PRECIPITATION AND STABILISATION OF HEAVY METALS IN LIQUID WASTEWATERS & CONTAMINATED SOILS



The main risk of depositing solid wastes on landfills or other sites is the leaching of the heavy metals, even from rain water, and their subsequent transport to the aquifer resulting in the pollution of the surface and underground water. This type of pollution is even more direct than liquid wastes that contain heavy metals.

## SOLUTION

The hydroxides of the heavy metals have very low solubility at a pH range of 9-10, conditions that can easily be achieved by the presence of magnesia or magnesium hydroxide. Consequently, by using magnesia or magnesium hydroxide we achieve the precipitation of heavy metals in waste water as well as stabilisation and bonding of the heavy metals that are found in solid wastes.

