Resent development on the application of minerals for remediation technique to polluted natural environments — Application techniques and their fundamental mechanisms —

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Abstract
Contaminant soil and water with heavy metals and arsenic and other toxic pollutants are usually created with human activities and natural circumstances, in special environments. An effective remediation techniques for polluted lands and waters have been developed by application with natural materials, mainly minerals, such as zeolite, volcanic loam (weathered volcanic ash), calcined dolomite, instead of artificial materials. One of the reason is prevention of secondary pollution caused by decompositions of artificial materials. New technique is introduces as name of “Sealing Soil Technique” for contaminated soil and water treatment material is “TRP”. The working cases are shown in this report.

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Key words: Sealing Soil Technique, TRP, weathered soil, zeolite, calcined dolomite.