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Enhancements in Electrokinetic Remediation Technology:

Focus on water management and wastewater recovery

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Abstract

The ElectroKinetic Remediation Technology (EKRT), when applied to an earthy matrix, is generally targeted to the extraction of one or more pollutants, often inorganic and typically belonging to the category of heavy metals. The technique exploits the effects caused by the application of an electric field for allowing the mobilization of the targeted pollutants, whose displacement is often facilitated by the use of suitable chemicals, which act as complexing agents. The EKRT represents a very promising approach, as it is able to produce results comparable to those of other *on/off-site* interventions, though with appreciably higher levels of acceptability. Moreover, in spite of expectations (which are substantially based on the high use of energy and

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