



In-situ Bio-Chemical Remediation Technology

In-situ technology to remediate the contaminated groundwater

Earth Solution
www.earthsolution.co.jp

The company was established in 2006 as a pioneer in bioremediation of contaminated groundwater and soil.

Bioremediation of a contaminated site takes advantage of microbial degradation of contaminants. Earth Solution was a pioneer in this remediation method and developed a bio-augmentation, bio-stimulation methods to increase the microbial degradation speed. It poses very little stress to the local environment as it utilises the local microbial flora. Although bioremediation is a cost-effective, sometimes seen as a low-tech remediation technology, it requires strong experiences and know-how in order to effectively remediate the site and to monitor the degradation processes. Earth Solution knows how to provide a customised solution by combining physical and chemical remediation technologies such as excavation and chemical oxidation to remediate the major contamination first, then applies bioremediation technologies to remediate the residual contamination at low concentrations.



In-situ injection of reactants



Reactants to be injected on site