

Soil Remediation Demonstration Project with In-Situ Electro Reclamation



Soil contamination with heavy metals, cyanide or charged contaminants?

Verhoeve Milieu & Water can show you the solution through a demonstration project with In-Situ Electro Reclamation.

Verhoeve Milieu & Water is a contractor and consultant on the field of soil and water remediation in The Netherlands. As an innovative enterprise, we are continuously exploring developments of new technologies and materials. (In-Situ) Electro Reclamation is one of these innovations. This technology is specially developed for sites, which are contaminated with heavy metal or other contaminants which are charged. Now we can offer you this patented technology in China.



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Demonstration project:

To promote knowledge transfer and trade relations between the Netherlands and China, Verhoeve Milieu & Water is supported by the Dutch government to demonstrate (In-Situ) Electro Reclamation (and other technologies) to the Chinese soil and (ground)water remediation market, through a demonstration project.

Electro Reclamation:

Electro Reclamation is a technology based on an electrical field of a direct current, realized by electrodes in the soil. This electrical field has the ability to mobilize contaminants with an electrical charge toward the electrode into the electrolytes. Eventually, the contaminants will be purified from the electrolytes.

Site characteristic's:

Verhoeve Milieu & Water is looking for a suitable site to demonstrate the possibilities of (In-Situ) Electro Reclamation (ER). Therefore, the site has to meet the following criteria:

- The test area is 100m2 (10x10 meters);
- Contaminant is located on a maximum depth of 5m;
- Unsaturated zone has at least a humidity of 15%;
- Site is polluted with heavy metal (e.g. mercury) or other contaminants with an electrical charge;
- Type of soil: clay soil;
- Soil of site is free of debris asphalt and concrete;

- Soil of site is free of cables and wires; - Site is freely accessible and available for a period of 6 months

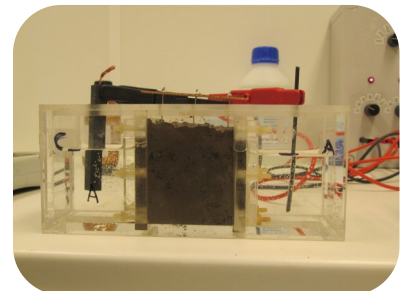
If your site meets the criteria or maybe you know such a site? Please, contact us!

Selection process:

Verhoeve will select two of the introduced sites to conduct soil investigation and turbo-test. Based on the results, a definite choice will be made between the two sites for the execution of the demonstration project. The total time necessary for the demonstration project is estimated on six months.

Turbo-test:

A turbo-test is a laboratory scale test whereby Electro Reclamation is executed on a site specific soil sample. The turbo-test gives an indication of the possibilities and efficiencies of Electro Reclamation on the particular site.



Conclusions about remediation possibilities and cost estimation of the full scale remediation are included in this project. Therefore, we believe that conducting a demonstration project on your site or your client's site, will give you advantages in terms of knowledge and commerce!