

SEDBARCAH SEDiment bioBARriers for Chlorinated Aliphatic Hydrocarbons in groundwater reaching surface water

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Objective:

Investigation of the retention potential of river sediments against the infiltration of VCAH from groundwater reaching surface water. Development of an efficient bio-barrier technology for protection of the surface water by contaminated groundwater. Modelling of the stimulated degradation processes.

Location: Pelhrimov, CZ

Client: EU

Beneficiary: EU

Duration: 2004 - 2006

Budget: 120.000 EUR

Initial situation:

Groundwater contamination in urban and industrial areas causes usually the contamination of surface water. Sediment layers between groundwater and surface water have usually a micro-biological and physical-chemical degradation potential for these contaminations.



Scope of Services:

- Internet search
- Development and carrying out of column and batch tests
- VCAH and physical-chemical analysis water/solid
- Participation in the development of the model
- On-site sampling