Monitored natural attenuation – PAH/ chlorbenzene

Problems:

- 5 000 µg PAH/l (PAH: Polyaromatic hydrocarbons)
- 1 000 µg Chlorobenzenes/l
- 23 000 tons of soil affected
- Subsurface: fill material and sand
- Private housing nearby

Our Responses:

- Bioremediation feasibility study undertaken proving that the diffuse PAH/chlorobenzene contamination can be degraded within the boundaries of the site.
- Natural attenuation rate stable and sufficient
- Monitoring system installed

Location: Persan, France

Initial cost estimates using standard technologies: 1-2 million US$

Actual costs using *in-situ* bioremediation: 200 k US$

Time for active *in-situ* remediation : 0 years