



Case study – Belgium

In Situ Chemical Oxidation using Fenton's : A Pilot Scale design

- **Former metal processing enterprise**
- **Geology** : sand
- **Groundwater pollution of** :
 - Tetrachloroethene (PCE)
 - Trichloroethene (TCE)
 - Cis-1,2-dichloroethene (CIS)
 - Vinyl Chloride (VC)
- **Maximum concentrations** :
 - PCE : 97.400 µg/l
 - TCE : 8.320 µg/l
 - CIS : 4.780 µg/l
 - VC : 230 µg/l
- **Injection method** : fixed injectors.
- **Injection design**
 - 4 shallow injectors till 3 m-bg
 - 4 deep injectors till 9 m-bg
- **Amount of peroxide injected** : 4 m³.
- **Injection date** : September 2007.

