Landfill Freiheit III and Landfill Griebo: Water Level Sampling and Analytics

Project objective: Since 1963 6 mill. t of hazardous waste from chemical area Bitterfeld-Wolfen have been stored at the mining field "Freiheit III". Starting from 1839 this mining field was used as an active brown coal mine. The landfill Griebo (size: approx. 45 ha) is the former industrial landfill of the nitrogen factory Piesteritz. Responsible for closing of both landfills will be MDSE (German Association for Remediation and Disposal)

Location: Landfill Freiheit III and Landfill Griebo

Client: IfUA Bitterfeld, MDSE (German Association for Remediation and Disposal)

Beneficiary: MDVV (German assets and management company)

Period: 2002 - 2004

Provided services:
Following services have been carried out for the supervision of the level network of the landfill Freiheit III and landfill Griebo:

- Sampling of ground and surface water
- Measurement of ground-water level
- Laboratory analytics: positive and negative ions, metalloids, organic parameters, organic components (petroleum-derived hydrocarbon, phenolindex, PAH, tenside, chlorobenzene, pesticides, VAH, VHH), other pollutants (cyanide, ammonium)
- Report interpretation