

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

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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 as-
sets and manage-
ment 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