

# Conception of the hydraulical measures for the long-term protection of groundwater in the landfill Schkopau

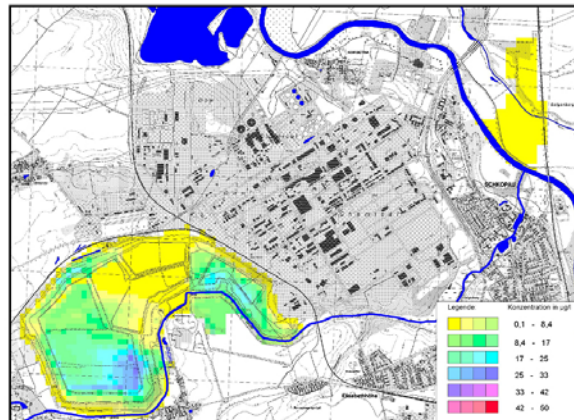
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**Objective:** The objective of the services was to develop a technical conception for the interruption of the influencing pathways and to limit the extension of the pollutants existing in the groundwater.

**Location:** Schkopau  
**Client:** LAF, Saxony-Anhalt  
**Beneficiary:** Saxony-Anhalt  
**Year:** 2004-2005  
**Budget:** 50.000 €  
**Initial situation:**



At the landfill Schkopau the protection against the mercury and volatile hydrocarbon in groundwater and surface water were not observed. Within the concept for the recultivation and protection of the landfill Schkopau the technical measures must be done in such a way, to interrupt the relevant influencing pathways and to stop the spread of the pollutants. The measures included the hydraulical analysis for long-term protection of groundwater, including a combined leachate and groundwater well, water relocation, pump stations and water treatment plants.

## Services provided:

- Long-term pollutant transfer and volume balance (volatile hydrocarbon, cyanide, MKW)
- Conception and assessment of variants for hydraulical protection, derivation of benefit option
- Preliminary design of technical conditions (incl. measures for combined leachate and groundwater well, water relocation, pump stations and water treatment plants)
- Authority management within the verification of the approval criteria of the designed measures

