

Large ecological project Leuna: Ground water monitoring and Analytics

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Objective: The monitoring of the large ecological project Leuna has been carried out since 1993, which was evaluated annually. The contamination of groundwater in the range of a large ecological project Leuna is affected by mineral oil hydrocarbons, BTEX-aromatic hydrocarbons, high-volatile CAH, PCAH, Phenols, MTBE, Sulphate and Ammonium. Objective of the ground water monitoring is a technical execution of monitoring as well as laboratory analytical investigations of the contaminated area.

Location: Leuna (Chemical Plant)

Client: MDVV / MDSE

Beneficiary: MDVV / MDSE

Duration: 2005 - 2007

Budget: 158.000 EUR



Scope of Services:

The ground water monitoring of the LEP Leuna contents following points:

- Sampling of groundwater and surface water
- Measurements of ground water level
- Laboratory analytics: anions and cations, metalloids, organic characteristics, organic components (mineral oil hydrocarbons, phenol index, PCAH, tensides, MTBE and their degradation products, BTEX-aromatic hydrocarbons, high-volatile CAH) and other pollutants (cyanide, ammonium)
- Evaluation and report