

Development of a method of the equivalence verification for the landfill sealing in Saxony – part of the project: Water balance modelling



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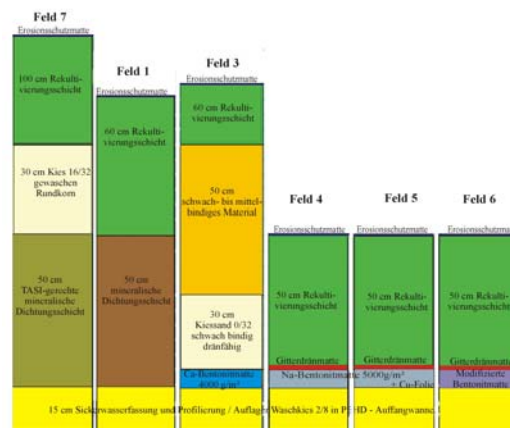
Project Objective: Development of the integrated evaluation and assessment standard by the introduction of the scientific methods, using of test fields at the landfill Bautzen-Nadelwitz of the Regional Waste Association Oberlausitz-Niederschlesien (RAVON)

Location: Saxony

Client: Federal Ministry for Education and Research

Beneficiary: University Zittau-Görlitz

Year: 2004



Initial situation :

Under consideration of the valid legislation and landfill location requirements of the RAVON it was planned the use of the alternative surface securing. For this it was necessary to compare the existing system with the alternative system. In the combination with the location validated simulation calculation an appropriate instrument for the evaluation of the time-related functionality of sealing elements and/or sealing systems was developed. Here the water balance balancing is an essential part.

Services provided:

- Concept development for the integrated equivalence verification
- Method development for the long-term leachate prognosis of the alternative landfill sealing
- Long-term leachate prognosis for the test fields at the landfill Bautzen-Nadelwitz under special consideration of water requirements

