

# Environmental assessment of the reshaping of the IAA Trünzig of the Wismut GmbH to ensure long-term-stabilisation and -protection against erosion



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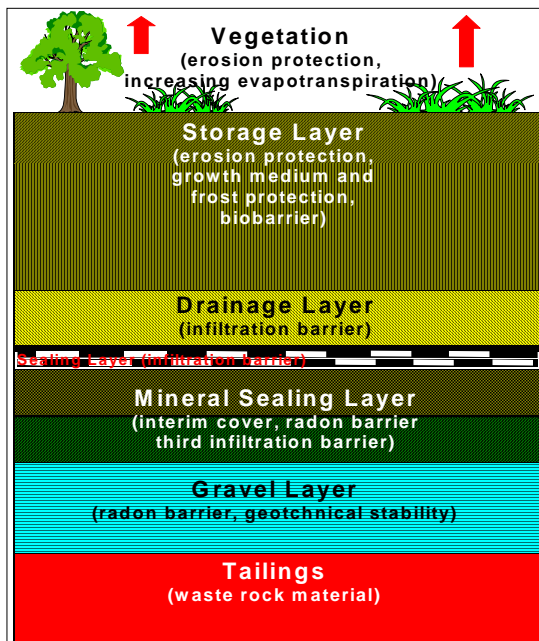
**Project target:** Identification of technical options for the reshaping of the dams and pond surface and options for removal of the tailings; evaluation of the environmental impacts of different variants during and after the remediation measures.

**Location:** Seelingstädt, Thuringia  
**Client:** Wismut GmbH  
**Beneficiary:** Wismut GmbH  
**Time period:** 1999 – 2000  
**Budget:** 30,000 EURO  
**Initial situation:**



Interim covering on IAA Trünzig B

- The tailings pond Trünzig (ca. 120 ha, 19 million m<sup>3</sup>) causes intolerable environmental impacts. The dams are only partly stable for the long term. The proposed covering requires a shaping of the pond.



## Main tasks:

- Development of a hydro-geological and hydrological model and determination of the water balance.
- Identification of technical options for the dam flattening and removal of lowering tailings and their interim covering.
- Evaluation of the impacts of the technical measures on the environment and workers.
- Selection and explanation of the precedence solution.