

Final covering of the IAA Helmsdorf and Dänkrütz I Germany

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Objective: Preparation of long-term-stable and erosion protected final covering in consideration of recultivation measures and subsequent use

Location: Zwickau /
Saxony/Germany

Client: WISMUT GmbH

Beneficiary: WISMUT GmbH

Duration: from 2005

Invest: 13.000.000 EURO



Initial situation:

After intermediate cover and contouring begins the last stage of the remediation of IAA Helmsdorf and Dänkrütz I with the final covering of 250 ha. A single layer cover system in terms of storage layer has been worked out for this location. The warranty of the long-term-stable and erosion protected final covering within the contouring of developed dam and plate areas takes centre stage. The further focus is the conceptual design of discharge channel in the basin and dam areas for the long-term safe mounting of surface water in the design flood fall. In the course of final covering, the planting of the dam and plate areas has been carried out in consideration of requirements of stability and erosion protection of final covering, local prerequisites guidelines, maintenance measures and subsequent use requirements.

Scope of Services:

- Environmental assessment and optimisation of required technical remediation measures
- Design of the final covering and recultivation of plateau and dam areas
- Geotechnical assessment of long-term stable final covering
- Water balance assistance
- Hydraulic and hydrological evaluation
- Site management, local site supervision

