

Remediation of dump Beerwalde/ Thuringia - reshaping and covering with integrated surface drainage -

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Project target: In-situ-remediation of the dump 366; creation of possibilities of utilisation close to nature including rehabilitation of the natural waters.

Location: Ronneburg /
Germany

Client: Wismut GmbH

Beneficiary: Wismut GmbH

Time period: 1996 – 2002

Invest: 50 million EUR



Initial situation:

The dumping site Beerwalde consist of 24 ha waste rock material (4.3 million m³). The dump needs to be remediated since the dump is endangering the public (environmental impact via water path, radon, instability of the embankment). The remediation should include the relocation of the dump Drosen from outside.



Main tasks:

- Environment Impact Assessment
- Remediation concept
- Seepage water capture
- Design of reshaping the dump body to 1:3
- Design of a three-layer cover system consisting of mineral barrier layer, precipitation storage layer, recultivation layer
- Design of infrastructure measures and of water management systems
- Supervision according to FIDIC
- Geotechnical monitoring