

Landfill Steinsee - landfill expansion and final closure-

C&E · Consulting und
Engineering GmbH



D-09117 Chemnitz • Jagdschänkenstraße 52
Tel.: +49 (0) 371 881 4228 • Fax: +49 (0) 371 881 4311
E-mail: info@cue-chemnitz.de
Internet: www.cue-chemnitz.de

Objective: Expansion, securing and remediation of the old landfill located at the former tailings pond of Wismut and determination all required measures for the final closure of this landfill.

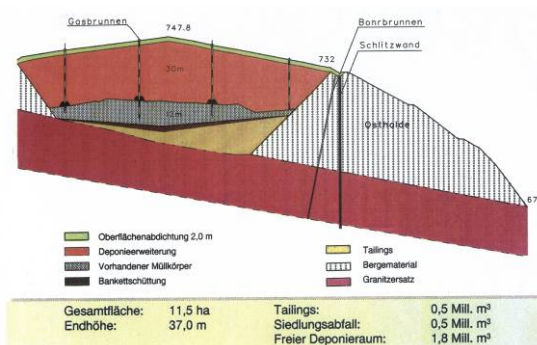
Location: Johanngeorgenstadt

Client: Regional Waste Management Centre southwest Saxony

Beneficiary: Regional Waste Management Centre southwest Saxony

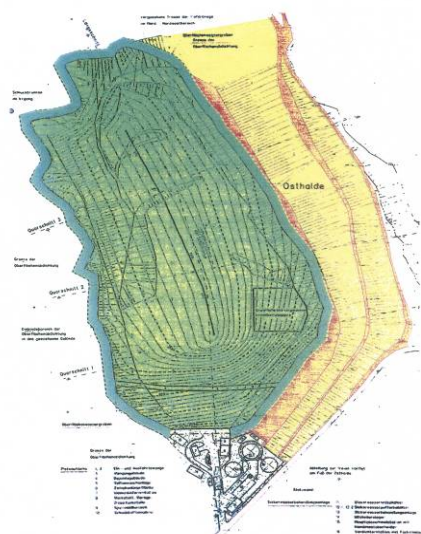
Project Period: 1994 - 1997
2006 – 2008 (final closure).

Construction Value: 43,7 Mio €



Initial Situation:

The tailings pond of Wismut (uranium ore treatment), which is not in the operation any more, was used as a landfill by the municipalities. The necessary radioactive measures and radioactive contamination of the groundwater, soil and air were not or insufficient considered. The remediation should consider the remediation and final closure of this landfill including all required ancillary facilities.



Services Provided:

- Geotechnics, hydrology
- Risk assessment
- Preliminary design and site management, site supervision
- Existing landfill at the former Wismut-tailings pond

Technical Data:

- Expansion volume: 1.800.000 m³
- Total area: 11,5 ha
- Final height: 37 m
- Slopes: 1:3
- Combined surface sealing
- Active gasification, gas well, flare
- Operation area
- Leachate treatment: reserve osmosis 72 m³/h