

## Landfill Lumpicht - Expansion and 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

**Project target:** Redesigning an existing communal waste disposal site including all the side installations ( building, infiltration and surface water collector, gas collector and utilisation, partial shaping and final cover) in order to guarantee the further operation until 2003. Planning and supervision according to FIDIC regulations.

**Location:** Aue/Ore Mountains

**Client:** Regulatory Body for Waste Management SW Saxony

**Beneficiary:** Regulatory Body for Waste Management SW Saxony

**Time period:** 1994 - 2002

**Constr. Costs:** 17.6 Mill. €

### Initial situation:

The unsorted communal waste disposal site located in a valley south of Aue has been in use for many years now and has no natural barriers against the contaminated infiltration water, the north slope is exceptionally steeper 1:1.3 due to piling at the head, further the buildings at the bottom of the landfill are in danger because of discharging hazardous material.



### Main tasks:

- Risk estimation
- Overall planning
- Preparation and evaluation of the tendering procedure
- Construction supervision (FIDIC)



### Technical data:

- Northern side: Intensive compaction
- Multi-layer surface sealing including mineral soil with special grain-size
- Active degasification: gas well, flare
- Seepage collection: Drainage, underground pumping station
- Seepage treatment: External
- Volume of expansion: 575.000 m<sup>3</sup>
- Total area: 9,0 ha
- Final height: 73 m
- Embankment: 1:2,5