Landfill Lumpicht
- Expansion and Closure-

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 m³
- Total area: 9.0 ha
- Final height: 73 m
- Embankment: 1:2,5