

## Industrial settlings ponds Helmsdorf and Dänkriz I

### Collection and discharge of leachate and precipitation in the sector of main dam and gravel depressed area



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 objective:** Development of a long-term stable and erosion secured discharge of leachate. Creation of conditions for the successive contouring and final covering.

**Location:** Zwickau /  
Saxony

**Client:** WISMUT GmbH

**Beneficiary:** WISMUT GmbH

**Year:** 2004 - 2006

**Investment:** 1.67 mill €



#### Initial situation:

The modification measures of the leachate collection and discharge facilities are close associated with the contouring measures at the main dam, gravel depressed area and well. With the measures for the modification of the leachate collection and discharge facilities, the requirements for the continuation of the partial contouring measures were created. In the gravel depressed area and well area the construction of the discharge line for the collection of leachate was carried out. The collection and discharge should be effected in the main dam sector. The applying of the drainage prism is effected at the new dam base of the main dam.

#### Services provided:



- EIA and optimisation of the required technical remediation measures
- Planning and installation of the leachate collection facilities
- Hydraulic evaluation
- Site management, site supervision