## Buffering capacity of residuals from chemical treatment for flooding waters in Koenigstein, Saxony



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**Project** Investigation of the buffering capacity of residuals from the

**Objective:** chemical treatment in the dump "Schüsselgrund"

**Location:** Koenigstein / Saxony

Client: WISMUT GmbH

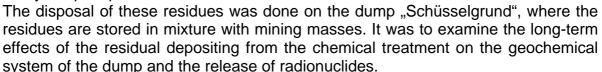
Beneficiary: WISMUT GmbH

**Year:** 2003

**Budget:** 20.000 €

## **Initial Situation:**

Within the remediation measures of the location Koenigstein the heavy metals and radionuclides were disposed from the water by the precipitation reactions.



## **Services Provided:**

- Determination of the influencing factors on the buffering capacity/potential
- Determination of the relevant chemical and timely conditions for the release of pollutants
- Investigation of eluates and realisation of columns tests with different pH-values for the simulation of the conditions of the dump
- Modelling of the buffering capacity and behaviour of release of contaminants coming from the dump (PHREEQC)



