

Rehabilitation hydrological investigations in Aue WISMUT GmbH 2004/2005

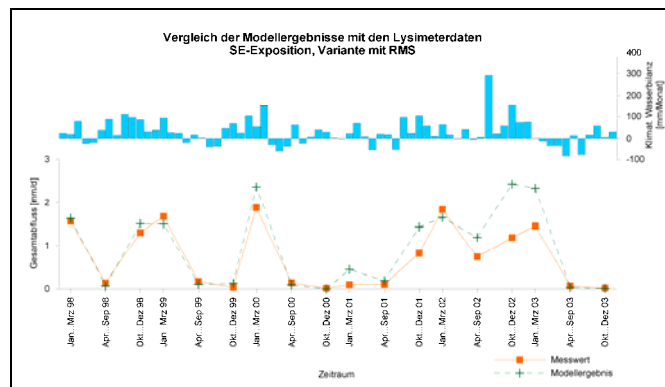
C&E · Consulting und
Engineering GmbH



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: Quantification of pollution discharge resulted from the dumps of WISMUT GmbH in Schlema-Alberoda by water path requires the knowledge of the water quantities, which enter into the dump body. For this purpose, water balances were calculated within the previous investigations. These balances require the periodic review. The objective of the project was the implementation and evaluation of hydrological measurements to review the existing modelling approaches.

Location: Aue-Schlema
Client: Wismut GmbH
Beneficiary: Wismut GmbH
Year: 2004 – 2005
Budget: 50.000 €



Initial situation:

For application of water balance models in previous studies there were developed a consistent approach and a complex parameter set for all dumps and surroundings hydrotopes. The models were calibrated several times based on measurement data. The subject of this study is a continuation of the model calibration.



Services provided:

- Flow measurements, soil hydrological measurements, laboratory analyses
- Analysis and interpretation of the measurement data
- Calibration of the water balance model CoupModel and BOWAHALD based on measurement data
- Development of the combined analytic-numerical water balance for the dump Luchsbach