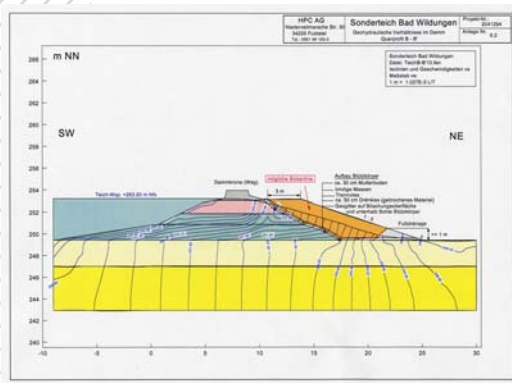


# Stability of an Earth Dam Dam "Sonderteich Bad Wildunger



## Project Description:

Stability test of an earth dam according to the German Merkblatt zur Standsicherheit von Dämmen (MSD) (Technical bulletin on the stability of dams)

## HPC Performance:

- Determination of the stability at 4 cross profiles taking into account various streaming potentials for the actual state and the remediated final state
- Elaboration of dam stabilization measures
- Elaboration of a remediation concept (conceptual design)

## Client Benefit:

- Quality assurance by experienced and qualified engineers (confirmed experts) and by complex, interactive completion of services
- Solution finding by up-to-date PC programs to the latest state-of-the-art
- Guaranteed insurance in case of damage covering up to 2 million €

## Project Name:

Stability of the north western dam  
Special pond

**Country:** Germany

## Project Location:

Municipality of Bad Wildungen

## Client:

Magistrat der Stadt Bad Wildungen  
Am Markt 1, 34537 Bad Wildungen

## Contact:

Ms. Schirmacher

## Purpose:

Remediation of a dam slope

**Contract Volume:** 15,000 €

## Project Duration:

Expertise in August 2004  
Remediation planned for 2005

## Project Manager:

Mr. Harald Kubatz, Dipl.-Ing.

## Field of Service:

Geotechnology  
Geohydraulics

## Project Data:

- Length of dam ca. 100 m
- Height of dam ca. 4 to 5 m
- Dam slope gradients:
  - - air side ca. 1 : 2
  - - water side: ca. 1 : 1.8