

# BASF Landfill „Kabelbaggerteich“ at Schwarzheide



## Project Description:

Since 1948, the BASF landfill has been operated at the slope of an open lignite mine („Kabelbaggerteich“). It was discontinued in 2004. Based on a detailed risk assessment, a conceptual design for surface recreation and remediation planning of the landfill was elaborated according to §§ 35 and 36 of German KrW/AbfG (Recycling Management and Waste Act).

Particular characteristics of the landfill include the risk of settlement earth flows and the direct contact to the remaining pit lake.

## HPC Performance:

- Detailed investigation and risk assessment (paths: air, surface and groundwater)
- Flow and contaminant modeling
- Groundwater monitoring
- Mass determination and elaboration of alternatives for surface recreation of the landfill
- Coordination of approval permits for close-up and remediation of the landfill (2002/2003)
- 2005/2006 Update of marginal conditions for landfill discontinuation and specification of the alternatives study - Verification of the appropriateness of a regime layer as an essential element of surface sealing (materials research, regime calculations, alternatives study)

## Client Benefit:

- Cost reduction by alternative method for regular sealing
- Interdisciplinary engineering services out of one hand
- Reduced coordination tasks for the client

## Project Name:

BASF Landfill „Kabelbaggerteich“ at Schwarzheide

## Country:

Germany

## Project Location:

Schwarzheide, County of Oberspreewald-Lausitz, Land of Brandenburg

## Client:

BASF Schwarzheide GmbH  
Schipkauer Straße 1  
01986 Schwarzheide

## Contact:

Mr. Gleitsmann  
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## Purpose:

Discontinuation and remediation of the landfill

## Contract Volume:

170,000 EUR

## Project Duration:

1995 – 2003, 2005-2006

## Field of Service:

Landfill remediation, waste management, geotechnical engineering

## Project Data:

- Landfill surface 17 ha, approx.
- Waste volume 2.3 million m<sup>3</sup> approx.