

# Ebersberg

## Landfill Site "An der Schafweide" Leachate Treatment



Regierungsbaumeister  
**SCHLEGEL**

### Client

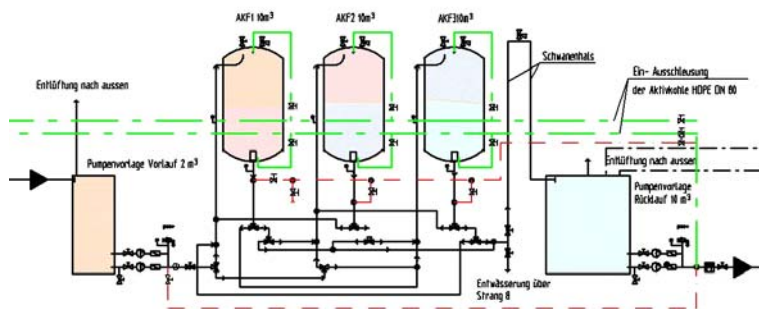
Landkreis Ebersberg [District  
of Ebersberg]  
District Office

### Period

1999 - 2001

### Project Cost

450.000 €



### Abstract

Treatment and discharge of seepage in the landfill site „An der Schafweide“ basically includes: a lifting equipment to feed the buffer tank and treatment plant, a buffer tank within the waste body for regulation of the inflow volume, a pre-treatment stage with activated carbon adsorption (AOX and COD) and a connection to canalization and the treatment plant for further purification (nitrogen).

During the pre-treatment process, contaminants like COD and AOX are reduced to permissible levels in line with the indirect discharge standards. The novel construction of the buffer tank within the waste body guarantees for avoidance of the seepage penetration into the groundwater. Besides, due to low investment costs, a high-capacity buffer installation and consequently a particularly economical plant dimensioning is facilitated.

### Scope of Service

pre-design, design, approval design,  
execution design, preparation of tender  
documents, construction supervision,  
documentation, site supervision  
technical equipment

consumption optimising of activated carbon

### Technical Data

Charge capacity	2 - 4 m <sup>3</sup> /h
Raw seepage load	COD 1,600 mg/l AOX 1.1 ppm
Purification capacity	COD < 400 mg/l AOX < 0.5 ppm
Treatment capacity/24 h	15,000 – 30,000 m <sup>3</sup> /a
Buffer capacity	1,575 m <sup>3</sup>
Activated carbon consumption	3 - 5 kg/m <sup>3</sup>