

# Flanitz

## Bavarian Forest Water Supply Potable Water Treatment System, Flanitz



### Client

Wasserversorgung  
Bayerischer Wald [Bavarian  
Forest Water Supply]

### Period

1999 - 2007

### Project Cost

9.000.000 €

### Abstract

The potable water treatment plant, which was put into operation in 1985 with a capacity of 70,000 m<sup>3</sup>/d, includes the processes of flocculation, multi-layer filtration, hardening with lime and ph-value adjustment through lime water and disinfection. The plant was extended in 2005 for treatment of the existing rinse water.

During the treatment process, the rinsing water (with a flow rate of 3,000 m<sup>3</sup>/h) is separated into clear water (with a dry substance of <50 mg/l), sludge and grit. The two-line sewage treatment plant includes the process of flocculation, first sedimentation, grit separation and second sedimentation stages. All process data are saved in the existing process control system of the main control room.

### Scope of Service

pre-design, design, approval design,  
execution design, preparation of tender  
documents, construction supervision, site  
supervision  
planning of structural framework  
technical equipment

commissioning  
project control  
architecture

### Technical Data

Infeed volume	3,000 m <sup>3</sup> /h
Clear water	< 50 mg AFS/l
2 sedimentation tanks, each	2,300 m <sup>3</sup>
2 sludge thickeners, each	220 m <sup>3</sup>
Thickened sludge, dry substance	3-5%