

Flanitz

Water Supply of the Bavarian Forest Potable Water Treatment System, Flanitz



Regierungsbaumeister
SCHLEGEL



Client

Wasserversorgung
Bayerischer Wald [Bavarian
Forest Water Supply]

Period

1999 - 2007

Project Cost

9.000.000 €

Abstract

The drinking water treatment plant, which was put into operation in 1985 with a capacity of 70,000 m³/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 rinse water (with a flow rate of 3,000 m³/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 ³ /h
Clear water	< 50 mg AFS/l
2 sedimentation tanks, each	2,300 m ³
2 sludge thickeners, each	220 m ³
Thickened sludge, dry substance	3-5%