

Munich

Munich II Sewage Treatment Plant



Regierungsbaumeister
SCHLEGEL



Client

Münchner Stadtentwässerung
[Munich Urban Drainage]

Period

1980 - 1992

Project Cost

210.000.000 €

Abstract

Urban Drainage Department in Munich operates the sewage treatment plant of "Munich II", located north of city. The mechanic-biological treatment basically consists of a screen, a grit chamber and primary sedimentation. Biological purification proceeds in a double-stage aeration tank, including a highly loaded first stage for carbon decomposition and a second stage for oxidation of nitrogen compounds. In order to stabilize the purification efficiency and for retention of suspended solids, a sand filtration unit is applied for the treatment process. Adding external substrates, denitrification and removal of nitrogen will occur through sand filtration.

Scope of Service

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

commissioning
basic evaluation
participation in denitrification tests

Technical Data

Capacity	1,000,000 PE
Application rate	
Dry weather	3.33 m ³ /s
Rainy weather	5.0 m ³ /s
BOD	≤ 3 mg/l
Suspended solids	≤ 3 mg/l
Ammonia	≤ 1 mg/l
COD	≤ 25 mg/l