

Constructed Wetland For Tertiary Wastewater Treatment (Stormwater and tertiary sewage treatment plant)

Wastewater treatment plant Renquishausen

Owner:
Municipality Renquishausen
Kolbinger Str. 1

78603 Renquishausen, Germany

Tertiary treatment of wastewater and
treatment of stormwater for pathogen
removal.

Discharge into an infiltration area nearby
a drinking water sanctuary.



Person equivalent:
900 PE

Planning: 1999 – 2000
Construction: 2001

Sewage treatment plant:
- Activated sludge process

Sludge treatment:
Solar sludge drying facility
Natural treatment of wastewater and stormwater:
- Pond with planted sandfilter dam
- stormwater treatment biotope
- Soil infiltration area

Gross space requirement:
- 6000 m²

Special features:
- effluent with bathing water quality
- Feeding by gravity flow
distribution pipe
- 800 m above sea level

Effluent

Legal Limits

COD	16	mg/l	90 mg/l
NH ₄ -N	2,1	mg/l	5 mg/l
N _{tot}	5,5	mg/l	---
P _{tot}	2,7	mg/l	---
Total Coliforms	2400	cfu	---
Fecal Coliforms	365	cfu	---
Fecal Streptococcus	55	cfu	---

