

POLAND - Krakow

Dobczyce Potable Water Reservoir Upper Raba Catchment Area



Regierungsbaumeister
SCHLEGEL



Client

Wasserwirtschaftsamt Hof
[Hof Water Management Board]
Technology Water Transfer
Abwasserzweckverband
Oberer Raba [Oberer Raba Sewage Authority]

Period

2005 - 2006

Project Cost

70.000.000 €

Abstract

The city of Krakau is mainly supplied by potable water of a reservoir, about 20 km in the south. Based on a concept developed in the 80s, a dam was built. As well, 720 km long sewer pipes and 13 sewage treatment plants were planned for an area about 771 km². However, these facilities were realised only in part. As a result, the reservoir water was highly polluted.

According to the existing scientific reports, the reservoir will even eutrophicate within 3 to 5 years. Schlegel Consulting Engineers developed an integrative rehabilitation and protection concept for the catchment area of Dobczyce reservoir. Based on the existing conceptual solutions, sustainable alternatives were presented to safeguard water resources in the catchment area of Upper Raba.

Scope of Service

Technical Data

financial consultancy
feasibility study

Reservoir volume	127 m. m ³
Abstraction	150,000 m ³ /d
Catchment area	771 km ²
Population	200,000 PE
Wastewater quantity	30,000 m ³ /d