

POLAND - Krakow

Dobczyce Potable Water Reservoir Upper Raba Catchment Area



Regierungsbaumeister
SCHLEGEL



Client

Wasserwirtschaftsamt Hof
[Water Board]
Technology Water Transfer
Abwasserverband 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, located about 20 km in the south. A dam was built based on a concept developed in the 80s. As well, 720 km long sewer pipes and 13 sewage treatment plants were planned for an area of about 771 km². In view of the fact that these facilities were realised only in part, the reservoir water was highly polluted. According to the existing scientific reports, the reservoir could 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

financial consultancy
feasibility study

Technical Data

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