



TORUŃ WATER TREATMENT PLANT UPGRADING

Lubicz, near Toruń City, Central Poland

Client: City of Toruń

SUMMARY:

Value: US \$11 million
Status: Complete 2007
Finance: EU - ISPA
Contractor: Hydrobulowa Consortium

Services Provided:

Supervision of construction to ensure works constructed according to design/specification, within budget and in accordance with contract programme, involving new works, and extension and modernisation of:

- New ozonizing station comprising 2 ozone generators, ozone contact tank, and liquid oxygen facility
- Modernisation of chlorinating system (2 chlorine evaporators, 2 chlorine dioxide generators)
- Modernisation of sieves, screens, pumps, filter plant, coagulation system,
- New automatic process control systems, 6 kV HV power supply lines, transformer station, area lighting
- Area improvements, internal road works, fencing. Refurbishment of buildings, offices, control rooms, etc

Narrative Description of Project:

The Toruń Water Treatment Plant was upgraded to improve the drinking water quality standards through reduced trihalomethanes, more efficient removal of mineral compounds and organic materials, and reduced turbidity. Smell, taste and quality of drinking water were brought within acceptable EU and National limits.

The existing treatment plant served a population of over 240,000 people (80,000 m³/day), hence the maintenance of a continuous supply of water during the modernisation works was of absolute importance and all staff had to ensure that the contractor's works programme (and actual performance) would not jeopardise continuity of supply. Works carried out to EU procedures and FIDIC Conditions of Contract for Construction (1999).

