

# UGANDA

## WATER SUPPLY AND SANITATION IN URBAN CENTRES – OPERATION ASSISTANCE

### **Location**

Western Uganda

### **Client**

Ministry of Natural Resources,  
Kampala

### **Financing**

German Financial Cooperation /  
KfW

### **Period**

1997 - 2002

### **Value of Services**

0.700 million US\$



### **Project Description**

Technical, accounting and managerial support for the waterworks in Fort Portal (40,000 inh.) and Kasese (30,000 inh.), after rehabilitation and extension of the systems.

The installations comprised:

- Fort Portal Water Supply: Pumping from river intake; water treatment plant (3,000m<sup>3</sup>/d) with pre-sedimentation by flocculation, rapid sand filtration and chlorination; pumping to high-level storage tanks; distribution net with 3 booster pump stations; 1,000 house connections and 50 water kiosks
- Fort Portal Sewerage: 1,000 m sewers in the commercial town centre with 100 connections; a sewage treatment plant with oxidation ponds and sludge drying beds. The plant capacity allows for extension of the sewer catchment area.
- Kasese Water Supply: River intake and gravity flow to a water treatment plant (the same type and capacity as in Fort Portal); gravity transmission line to a high-level storage tank; distribution net with 2 pressure zones; 900 house connections and 30 water kiosks

### **Scope of Services**

Assistance to waterworks staff in the following subjects:

#### Operation

- Classroom and on-the-job training in treatment techniques, plant operation and maintenance
- Laboratory analyses for drinking water quality and sewage properties
- Leak survey techniques, correlation methods, physical repairs, in-house leakage elimination, installation of additional bulk meters
- Establishment and monitoring of performance indicators

#### Sales Operations and Accounting

- Customer registration, computerization of files, mapping of house connections
- Extension of customer base, additional connections and kiosks
- Disconnection and reconnection policy for customers with arrears
- Budgeting
- Billing and fee collection
- Computerization of financial operations
- Staff reduction programme
- Enhancement of management information system