

WATER SOURCES AND INTAKE STRUCTURES

Course Description

The proper selection of water sources and a good management of the water storage facilities are the main factors and very important to produce low cost and good water quality. If the water quality is good at the source or reservoir, then the intake structures will transport clean water, and in an effective manner into the treatment plant or in water distribution network.



In this training course the participants will learn the basic knowledge on water sources and their characteristics. The training course will address and discuss the programs and methods of reservoirs management and their advantages. In addition, it will identify and describe the types of intake structures, as well as their operation and maintenance procedures.

Target Group

This training course is developed for professionals of water supply and sewerage utilities and it is especially useful for directors of technical department, operation and maintenance engineers, and production and design engineers.

Objectives of the Training Course

At the end of this training course, the participants will be able to:

- Know the hydrologic cycle;
- Recognize the physical and chemical characteristics of water source;

- Evaluate the sustainability of a water source for drinking purposes;
- Recognize the factors affecting water quality;
- Know the advantages of a reservoir management program;
- Implement the appropriate methods of reservoir management and water quality improvement;
- Safely operate, maintain, and troubleshoot intake facilities.

Training Method

The training is based on lectures presented in Power Point, combined with discussions. In addition to lectures and discussions, participants will analyse specific case studies.

Training Course Materials

The participants of this training course will be provided with the Training Manual on "Water Sources and Intake Structures". In addition, the participants will receive certificates of attendance.

Registration Fee

Members of SHUKALB/SHUKOS: 13,000 ALL/person

Non-members: 16,000 ALL/person

The registration fee includes course materials, coffee breaks and lunch breaks.