

Third training course

Topic: maintenance of pumping stations

01-03rd of April 2014

In the Institute of Arid Regions, Medenine

Training objectives:

This course aims to provide a theoretical and practical overview on the Maintenance of pumping stations.

Trainer: Mr. Wadie ELEUCH, General direction of rural engineering, Ministry of agriculture (electro-mechanical engineer, and maintenance director, experience more than 20 year).

Participants are from:

- Ministry of agriculture (CRDA: Medenine, Gabes, Kairouan, kasserin, sfax...)

The training course covers the following chapters:

- Pumps and equipment for pumping fluids.
- Electronic controllers.
- Hydraulic theory and pumps sizing.
- Pumps and other equipment (electric, counter, valves, hydraulic network...) datasheets, technical specification, sizing, manufacturer, maintenance, exchanging.
- How to manage spare parts.
- *Field visit in the treated wastewater pumping station of Medenine 02nd April 2014.*
- *Field visit in the warehouse of CRDA Medenine 03rd of April 2014.*
- *Field visit to the potable water pumping station in Medenine 03rd of April 2014.*

Summary:

This training course has provide a very interesting practical and theoretical courses for new engineers belonging to CRDA (many governorate in which there is a reuse area).

This training allows participants to discover the problem encountered during maintenance of irrigation equipment. Participants obtained several documents concerning internal standards of the Ministry of Agriculture for pumping stations maintenance.

The trainer provides several recommendation and advices for stock management and the good maintenance practices.

In the other hand filed visits were a very good opportunity to manipulate, to size equipment (pumps, counters, electricity connection) and to practice many maintenance activities.