

Second training course

Topic: Management of Wastewater Treatment Plant

26-28th February 2014

In the Institute of Arid Regions, Medenine

Training objectives:

This course aims to provide a theoretical and practical overview of the management of WWTP (operating procedures, performance assessment, efficiency monitoring...)

Trainer: Mr. Taoufik Zargouni, ONAS (international cooperation director, working in ONAS since 1984)

Participants are from:

- **ONAS (régionale directions : Medenine, Jerjis, Djerba)**
- Ministry of agriculture (CRDA Medenine...)
- ANPE

The training course covers the following chapters:

- The management of WWTP (primary treatment, secondary treatment, sludge treatment)
- physical and chemical and biological waste water characteristics
- Activated sludge process (aerobic treatment, surface aeration, ...)
- Physical, chemical, and biological processes to remove physical, chemical and biological contaminants.
- How to improve and monitor the efficiency of WWTP.
- Security measures required in the operation of WWTP.
- *Field visit in the WWTP of Medenine (activated sludge technology) 28th February 2014.*

Summary:

This training enabled the participants (mostly from ONAS) to have more expertise in the management, operation and control of wastewater treatment plant.

Many discussions have taken place regarding the problem that stations Chief have facing across and the applicability of proposed solutions and all different measures that allow efficiency improvement.

Site visit was a good opportunity to apply theoretical recommendations and show practically different security measures, improving technics to reach a good quality and performance level.

Other participants from the Ministry of agriculture and the environment had a global overview about problems that responsible from ONAS are facing and the different reasons for the degradation of the treated wastewater quality.