Summery for scientific visit to Zenin wastewater treatment plant
Thursday 06/06/2024

By : Prof. Tarek A. Gad-Allah and Assoc. Prof. Amer S. El-Kalliny

On Thursday 6th of June 2024, the participants were accompanied in a visit to Zenin wastewater treatment plant (Zenin WWTP). This WWTP belongs to the Giza Company for water and wastewater. It is located in Boulaq Al-Dakror district, Giza. As informed by Dr. Mohamed Abdel-Fattah, the person in charge in the WWTP, the design capacity of Zenin WWTP is 300,000 m3/day. The treatment process used in Zenin WWTP starts with screening to remove debris and large particles, sedimentation, activated sludge unit, clarifier, and finally chlorination. The participants were accompanied by the staff in a tour inside the WWTP. The staff explained in details the treatment process with an emphasis on the purpose of each unit and how much treatment efficiency is achieved at each stage.

The participants expressed their interesting in acquiring information about the used treatment process as this was a new experience for many participants. Afterwards, the participants were directed to the laboratory of the WWTP to get information about the tests performed to monitor the performance of the WWTP. The staff mentioned that not only self-assessment is carried out, but also, ministry of health withdraws samples from the WWTP regularly to ensure the best performance of the WWTP.

During the visit, the staff mentioned also to some research pilots operated by members from Water Pollution Research Department, National Research Centre as evidence for the experience exchange between the Giza Company and the research organizations, which is expected to reflect positively on the public health of Egyptian citizens and the aquatic environment. At the end of the visit, Prof. Tarek A. Gad-Allah and Assoc. Prof. Amer S. El-Kalliny, Water pollution research Dep., Environmental and Climate Change Institute Research, National research Centre expressed their appreciation to the staff of Zenin WWTP for their cooperation.

شركة مياه الشرب والصرف الصحي بالجيزة
إحدى الشركات التابعة
للشركة القابضة لمياه الشرب والصرف الصحي

الادارة العامة للأمن

مركز صيانة مهمات الدفاع المدني

الخط الساخن ١٢٥ لخدمة العملاء