



Tour 2: Wastewater Treatment

Thursday 19.09.2024

Schedule

Departure: the bus will depart at **08:30**, from ICC, Jerusalem (Conference Venue)

Lunch Break: (estimated) 13:00

Return – **18.00** (estimated) to ICC, Jerusalem (Conference Venue)

Waste water treatment

Wastewater can cause real damage to the environment and in exceptional cases also harm the health of the general public. Purified wastewater, on the other hand, can be used for various purposes, especially agriculture, thus maximizing the benefit of water, which is a valuable resource. Accordingly, many resources are devoted to strengthening and improving the wastewater treatment system in Israel.

In Israel, about 600 mlcm of wastewater are discharged into the sewage system each year. Most of it is treated in facilities

Sewage treatment - sewage treatment plants, and more than 80% of them are transferred to agricultural irrigation through sewage recovery plants. The use of sewage water solves the problem of sewage disposal and contributes to maintaining the quality of the environment and the quality of natural water sources.

Representatives of effluent reclamation plants that are fed by many settlements, among them some that are very technologically advanced, including treatment with ecological methods, and many of them exist in all parts of the State of Israel.

They constitute the Israeli water purification system and the transmission systems that carry the wastewater from the producers to the agricultural consumers and more. The wastewater industry consists of thousands of suppliers, most of which are private.

On the tour that we will hold for the guests from abroad, we will present several models of purification and treatment methods in advanced water treatment plants, in the Jerusalem area and Emek Hafer (the detailed plan is under review) and we will meet with professionals who actually operate the facilities, including the flow of purified water into restored streams and artificial lakes, as well as treatment and transmission methods of Wastewater systems and advanced treatment methods used and operated in Israel.