

Alexandria East Wastewater Treatment Plant

Client

Alexandria General Organization for Sanitary Drainage (AGOSD)/USAID

Scope of Work

ECG, in joint venture with others, performed the following services:

- All necessary surveys, studies, preliminary and detailed designs, tender documents and cost estimates.
- Advising and assisting AGOSD in evaluating tenders and awarding equipment and construction contracts.
- Performing construction management and supervision services during the construction phase.
- Training AGOSD personnel on the operation and maintenance (O&M) of the project.
- Preparing O&M Manuals.
- Assisting in starting-up and initial operation of the project.

Location

Alexandria, Egypt

Types of Activities

Architectural
Communications and security systems
Electrical
HVAC
Mechanical
Structural

As part of the Alexandria Wastewater Program (Phase I), this project aimed at upgrading Alexandria East Treatment Plant to an average capacity of 410,000 m³ /day.

The project included improvement of existing treatment facilities and construction of new structures for the primary treatment of wastewater.

The upgrading program included the following major components:

- New headwork structure for screening, grit and scum removal and flow measurement.

- New flow split structure.
- Construction of new eight (8) clarifiers, each of 35 mm diameter and 4.5 depth.
- Eight (8) new pumping stations including four (4) primary sludge pumping stations, a sludge transfer pumping station, a W2 water pumping station, a recycle pumping station and an employee housing wastewater pumping station.
- New on-site employee housing.

