

# Alexandria West 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 survey, 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

Civil works

As part of the Alexandria Wastewater Program (Phase I), this project aimed at upgrading Alexandria West Treatment Plant to an average capacity of 186,000 m<sup>3</sup> / day.

The project includes improvements to existing treatment facilities and construction of new structures for the primary treatment of wastewater.

The upgrading program includes the following major items:

- New influent pumping station (955,000 m<sup>3</sup> /day - circular slurry wall 54 m diameter).

- New headwork.
- New primary clarifiers.
- New sludge-blending pumping station.
- New primary sludge pumps, scum pumps and W2 water pumps with hydro-pneumatic tank.
- New staff housing.
- Modifications of the existing building to house W2 water pumps and blowers.
- Modifications of existing building to serve as workshop and storage facility.
- Modifications of existing grit tanks to serve as W2 storage reservoir.
- Yard piping (200 mm to 2750 mm diameter).



Alexandria West Wastewater Treatment Plant

