

# Wastewater Treatment Plant, Kaoukaba

EDESSA was retained by EMCO to undertake the civil work of two Wastewater Treatment Plants located in the village of Kaoukaba in the Caza of Hasbaiya. The site will accommodate both an olive oil processing wastewater treatment facility (VWTP) and a domestic wastewater treatment facility (DWWTP).

The Following units were constructed for the vegetable water and domestic wastewater treatment plant:

- Equalization tank
- pH adjustment feed system
- Grit Trap
- Grease Trap
- Flow distribution box
- Up-flow anaerobic sludge blanket (UASB) reactor
- Clarifier tank
- Chlorination tank
- Sludge drying bed

Among the EDESSA's American Concrete Institute (ACI) certified engineers, a number of foremen, technicians and support staff were involved in the completion of the project in order to meet the client technical expectations.

A vast amount of company experience in the fields of civil and structural engineering were retained to fulfill the appointed duties and to enable the erection of the plants in time for minimal anticipated environmental impacts resulting from an unavailable treatment facility.

EDESSA provided the complete works which included survey, earth and structural works. Following were our general duties:

- Site Work (Survey, fencing, lighting)
- Earth works (excavation, material testing and backfill)
- Concrete placement
- Quality control program
- Curing
- Landscaping
- Finishing
- Waterproofing

