

Naameh Landfill Design and Supervision

The staff of EDESSA was retained by SUKOMI to supervise the construction, earthworks and all aspects of municipal landfill operations at the Naameh landfill site south of Beirut. The footprint area of this landfill is 200,000 square meters, with a design capacity of 10 million cubic meters. Annual volume is in the order of 1 million cubic meters.

EDESSA conducted the following tasks on this site:

- Environmental Impact Assessment of the proposed landfill site
- Groundwater Impact Assessment
- Design of over 10km of access roads with all related infrastructure and utilities
- Diversion of the river through a surface water channel excavated in rock
- Rehabilitation of a dual 800m long culvert
- Design of the earthworks, clay and synthetic liner system, leachate and gas collection and capping of the landfill
- Supervision of the construction, operation and environmental management of the landfill

EDESSA has worked on this site for a period of over 10 years with the same Client.

