

Bsalim Landfill Design and Supervision

The staff of EDESSA was retained by SUKOMI to design and supervise the restoration of the Bsalim Quarry, into a controlled and engineering landfill for special waste. A restoration plan for the Bsalim quarry site was developed in conjunction between the Council for Development and Reconstruction (CDR), SUKOMI and the staff of EDESSA with the main objective to improve the environmental setting of the site and partially resolve the solid waste crisis in the Greater Beirut Area.

EDESSA conducted the following tasks on this site:

- Environmental Impact Assessment of the proposed landfill site
- Groundwater Impact Assessment
- Restoration and stabilization of a vertical cliff of 150m high.
- 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.

