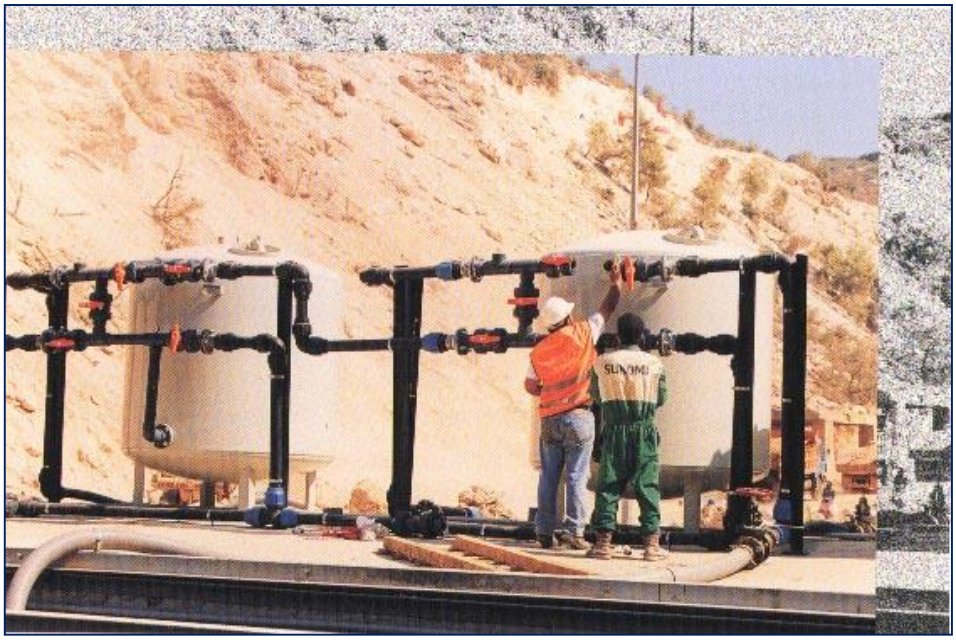
Naameh Wastewater Treatment Plant

EDESSA was retained by AVERDA to conduct a programmed monitoring as well as quantitative and qualitative analyses of wastewater flows generated at the Naameh Landfill site (200ha). The scope of works included full recommendation for the installation of an appropriate onsite wastewater treatment plant in order to minimize the negative environmental impacts resulting from improper disposal of wastewater discharges.

Base data concerning wastewater flows and quality were made available and properly analyzed by EDESSA in order to predict the flows and loads feeding into the wastewater treatment plant. Weather data was downloaded from the site weather station and supplemented by weather records obtained from the Meteorological Office at the Beirut International Airport. Long-term average rainfall was obtained from world climate information sources.

Following thorough analyses, the design flows and loads for the wastewater treatment plant were proposed based on evaluation of the following parameters:

- Average Yearly Flow
- Peak Monthly Design Flow
- Peak Monthly BOD Load
- Peak Monthly COD Load
- Peak Monthly Ammonia Load
- Design Strengths



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