

Integrated Solid Waste Management Facility - Boumerdes/Algiers, Algeria

EDESSA was retained by the European Investment Bank (EIB), acting on behalf of the Algerian Government and funded by the European community, to redefine the Solid Waste Management Plan for the city of Boumerdes, Algeria. The management plan included the following:

- Revision of the existing waste management plan for the city of Boumerdes, Wilaya of Boumerdes in accordance with appropriate national and international norms;
- Preparation of preliminary design documentation for developing a controlled landfill for municipal waste at the selected site near Boumerdes, in line with EU design standards;
- Waste quantity analysis over fifteen and twenty years to determine the economic feasibility of the selected site.



The objective of this study is to provide the necessary resources to investigate the potential site location and to assess the proposed development and to prepare a conceptual design of the landfill.

The solid waste management plan will consist of landfill cells, leachate collection and treatment systems and sorting and composting facility as may be deemed necessary.

The various tasks of the project included the following:

- Site assessment of current proposed site with the recommendation of site extension;
- Geotechnical assessment of current proposed site to include drilling of several geotechnical boreholes;
- The preparation of a landfill conceptual design;
- The recommendation of a recycling plan gradual introduction after five years to increase the landfill life span.