

Audits of Solid Waste Management Systems

41 Municipalities, Lebanon

EDESSA was commissioned by the United Nations Children's Fund (UNICEF) to undertake Audits of Solid Waste Management (SWM) Systems for 41 municipalities/ localities selected by UNICEF across Lebanon.

The audit consisted of a meeting with the Municipality representatives, conducting a tour of the municipal area and compiling data on the following:

- Demographic and geographic situations,
- Syrian refugee population,
- Facilities and infrastructure within the Municipality,
- Waste generation and characterization,
- Waste collection system in place,
- Waste disposal system in place,
- Management of special wastes (including medical wastes),
- Current and future waste sorting programs,
- Current waste treatment systems,
- Costs and impact of the Syrian population,
- Awareness and other issues.

Subsequent to the audit visit, an audit report was prepared included recommendations that should be implemented in order to improve the waste management situation and the specific needs of the municipalities in terms of bins, collection vehicles and other equipment. The specific needs of the 41 municipalities added up to \$2.6 Million in immediate needs and over \$16 million in long term investments that were all identified.

The specifications of the equipment to be purchased were prepared by EDESSA who also assisted during the bidding process. EDESSA was also asked to supervise the handing over of the assets to the various Municipalities.



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