Solid Waste Management

September 2025

The Solid Waste Management (SWM) operator (service provider) shall assume all responsibilities in attaining to an adequate system that includes, but not necessary be limited to the below requirements:

- Identify all types and sources of solid waste materials anticipated to be generated from the entire project area. This shall include locations such as the upper cave, lower cave, snack area, lower cable car building, restaurant location, upper cable car building, amphitheater, administration location, tourist gathering areas, etc.
- Estimate daily solid waste quantities and volumes in accordance with the various aforementioned land use types and all other functional areas. This shall include the provision of quantities by weight from each functional area, the waste compositions (by weight) in accordance with the exact land use function, and the various waste material densities used to convert weight to volumes
- Assess and adopt all sustainability requirements (such as source-segregation practices) and the number of streams, as per applicable laws and regulations.
- Maintain adequate two-day solid waste storage conditions throughout the project area, such as by adopting properly sized and dedicated waste rooms / enclosures as well as associated solid waste containment equipment (four-wheelie containers of capacities matching the daily waste generation volumes , external litter bins as part of the landscape furniture, compactors where waste volumes are considerable, etc.) for the various waste streams, with storage areas equipped with all necessary MEP requirements such as proper weather conditions and ventilations, water supply for cleaning purposes, drainage, electrical supplies for lighting and equipment (where needed), etc.
- Provide a well-structured solid waste collection truck routing, with the provision of all required accesses and maneuverability spaces.
- Maintain smooth integration with approved offsite solid waste handling facilities, in close coordination with offsite facilities and relevant authorities.

Applicable Laws and Regulations in Lebanon:

Current legislation and regulations pertaining specifically to waste management include:

- Laws: 80/2018 (sets the framework for Integrated Solid Waste Management);
- 64/1988 (environmental protection against hazardous waste that could harm air, water, biodiversity, soil, and people);
- Decrees: 5606/2019 (hazardous waste management); 5605/2019 (sorting at source);
- Decree 8735/1974 (protects against solid and liquid waste pollution and assigns waste collection and sweeping to municipalities).
- MoE Decisions: 998/1 and 999/1 of 2019 and 59/1 of 2020 (specify the procedures and principles for hazardous waste generators, transporters and temporary storage facilities respectively), decision 58/2020 (classification of Reuse Derived Fuel “RDF” resulting from non-hazardous waste).

- MoE Memos: Memo 4/1 of 2022 setting for the municipalities, union of municipalities, qaemaqams and governors, a tender document template for waste collection and sweeping.