Solid waste management is a very important environmental issue in Sousse, as waste production increases over time. The development of an integrated waste management system must be adapted to the social, economic and climatic conditions of the city, the design and development of such a system must be based on the analysis and assessment of municipal solid waste.

The city of Sousse joined the African Clean Cities Platform, and the Waste Wise Cities Program in order to improve the cleanliness of the city. The evaluation through the UN-Habitat Waste Wise Cities tool, was useful for Sousse to have a clear picture of the current state and to identify policy and infrastructure gaps and key areas of intervention for improving solid waste management. Based on the WaCT results, the Municipality of Sousse will develop an action plan that will facilitate the improvement of MSW management in Sousse. We hope that this work will lead to the development of the selective sorting and waste recovery in order to improve the cleanliness of the city of Sousse.

Dr. Mohamed Ikbel Khaled
The Mayor of Sousse

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**Key Waste Data**

- **Total municipal solid waste (MSW) generated by the city**: 295 t/d
- **Total MSW collected**: 266 t/d
- **Total MSW collected and managed in controlled facilities**: 266 t/d
- **Per capita MSW generation**: 1.18 kg/cp/d
- **Per capita household food waste generation**: 0.47 kg/cap/d
- **City Recovery Rate**: 8%
Household and non-household waste generation

<table>
<thead>
<tr>
<th></th>
<th>Average household waste generation (kg/capita/day)</th>
<th>Total population</th>
<th>Total MSW generated by households (t/day)</th>
</tr>
</thead>
<tbody>
<tr>
<td>High income</td>
<td>0.90</td>
<td>63,308</td>
<td>57</td>
</tr>
<tr>
<td>Middle income</td>
<td>0.83</td>
<td>158,023</td>
<td>132</td>
</tr>
<tr>
<td>Low income</td>
<td>0.64</td>
<td>27,667</td>
<td>18</td>
</tr>
<tr>
<td>TOTAL</td>
<td>0.83</td>
<td>248,998</td>
<td>207</td>
</tr>
</tbody>
</table>

Total MSW generated from non-household sources (t/day): **89**
calculated using proxy of 30% of total MSW

Composition of waste at the households and at the disposal site

- **Household waste composition**
  - Higher income areas
  - Middle income areas
  - Lower income areas

- **Average household waste composition**
- **Waste composition at disposal site**

- **Kitchen / canteen**
- **Garden / park**
- **Paper / cardboard**
- **Plastics dense**
- **Metals**
- **Glass**
- **Wood (processed)**
- **Special wastes**
- **Composite products**
- **Other**
- **Textiles / shoes**
- **Plastic film**
Potential recyclables from households

<table>
<thead>
<tr>
<th>Types</th>
<th>Recyclable waste generation from households (t/day)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Food waste</td>
<td>118</td>
</tr>
<tr>
<td>Plastic film</td>
<td>16</td>
</tr>
<tr>
<td>Plastic dense</td>
<td>16</td>
</tr>
<tr>
<td>Paper and cardboard</td>
<td>14</td>
</tr>
<tr>
<td>Glass</td>
<td>2</td>
</tr>
<tr>
<td>Metal</td>
<td>6</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>175</strong></td>
</tr>
</tbody>
</table>

WaCT Flow Chart

- **Household** generation: 207 t/d
- **Non-household** generation: 89 t/d
- **Total MSW generated**: 295 t/d

Recovered recyclables: 0 t/d
Rejection / residues: 3 t/d

- **Recovered**: 23 t/d
- **Disposed**: 243 t/d
- **Uncollected**: 29 t/d

**City recovery rate**: 8%

For more info and if interested in WaCT application contact the Waste Wise Cities Team at WasteWiseCities@un.org