Municipal Solid Waste Management is one of the biggest challenges in Dar es Salaam, given the fact that Dar es Salaam is a Country’s commercial capital and gateway to most of the countries in the southern part of Africa through the Port of Dar es Salaam.

Poorly managed MSW contributes to Marine Litter Pollution in the Indian Ocean.

The assessment of Dar es Salaam’s SWM using UN Habitat’s Waste Wise Cities Tool, supported by the African Cities Platform and UNEP, was helpful in establishing a status quo and highlighting key areas for intervention in order to improve SWM in Dar es Salaam. Through a scientific approach, the WaCT facilitated obtaining of reliable baseline data upon which strategic investment plans can be made and funds to implement these plans mobilized.

Mr. Amos Makala
Regional Commissioner for Dar es Salaam.

Key Waste Data

- Total municipal solid waste (MSW) generated by the city: 5733 t/d
- Total MSW collected: 2042 t/d
- Total MSW collected and managed in controlled facilities: 56 t/d
- Per capita MSW generation: 0.84 kg/cp/d
- Per capita household food waste generation: 0.35 kg/cap/d
- City Recovery Rate: 1%
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>
<th>Total MSW generated from non-household sources (t/day)</th>
</tr>
</thead>
<tbody>
<tr>
<td>High income</td>
<td>0.71</td>
<td>683,128</td>
<td>486</td>
<td>1,720</td>
</tr>
<tr>
<td>Middle income</td>
<td>0.67</td>
<td>2,049,386</td>
<td>1,369</td>
<td></td>
</tr>
<tr>
<td>Low income</td>
<td>0.53</td>
<td>4,098,770</td>
<td>2,159</td>
<td></td>
</tr>
<tr>
<td>TOTAL</td>
<td>0.59</td>
<td>6,831,284</td>
<td>4,013</td>
<td></td>
</tr>
</tbody>
</table>

Total MSW generated from non-household sources (t/day) 1,720 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
- Plastics dense
- Metals
- Wood (processed)
- Special wastes
- Paper / cardboard
- Glass
- Composite products
- Textiles / shoes
- Other

49%
8%
10%
64%
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>2360</td>
</tr>
<tr>
<td>Plastic film</td>
<td>80</td>
</tr>
<tr>
<td>Plastic dense</td>
<td>109</td>
</tr>
<tr>
<td>Paper and cardboard</td>
<td>133</td>
</tr>
<tr>
<td>Glass</td>
<td>121</td>
</tr>
<tr>
<td>Metal</td>
<td>142</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>3,107</strong></td>
</tr>
</tbody>
</table>

WaCT Flow Chart

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