Tavas Kale Beyagaç Solid Waste Landfill Site

Expected project CAPEX : 4'117'647 €
Mandating Authority : Denizli Metropolitan Municipality

Summary
To remove domestic waste dumped irregularly from Tavas, Kate, and Bevağaç districts of Denizli, a Sanitary Landfill will be constructed on 9.89 hectares. The project will also include a recyclable sorting facility, composting facility, and leakage water treatment plant. In the medium-term the recyclable sorting facility will be approximately 1000 m². This project will be supported with awareness-raising campaigns.

Location and population
Denizli, TR 32 Region, Turkey
993'442 inh.

Social and environmental impact
Reduction of water, air, and soil pollution; Improved public health; Removal and rehabilitation of 10 irregular dumpsites, with the sites turned into recreational areas for citizens.

Main stakeholders
Forest and Water Affairs Ministry, Ministry of Environment and Urbanization, Denizli Metropolitan Municipality, Tavas Municipality, Kale Municipality and Bevagaç Municipality
Amount of waste generated
NA

Amount of waste currently collected
27,375 tonnes/year

Waste type
Organic 95,79% Plastic 0,54% Paper 2,56%
Metal 0,40% Glass 0,67%

Project maturity (IFC / World Bank Categories)
STAGE 1: Concept Development, Site identification
STAGE 2: Pre-Feasibility Studies
STAGE 3: Feasibility Studies
STAGE 4: Permitting / Financing / Contracts
STAGE 5: Engineering/Construction/Commercial Operation

Current recycling rate
0%

Existing waste management plan
No

Final disposal today
Dumpsite

Comments
First priority is construction of the Sanitary Landfill Site. Second priority is to expand the recycling campaigns. Third priority will be construction and operation of the sorting center, which will be located in the Sanitary Landfill Site.

<table>
<thead>
<tr>
<th>Infrastructure</th>
<th>Stage</th>
<th>Short description</th>
<th>Expected Capex</th>
<th>Expected Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Improving collection</td>
<td>0</td>
<td></td>
<td></td>
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<tr>
<td>Transfer stations</td>
<td>2</td>
<td>It is planned once the Sanitary Landfill Site is in operation</td>
<td>1.029.411,79 €</td>
<td>1000 m2</td>
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<tr>
<td>Sorting Centre</td>
<td>0</td>
<td></td>
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<tr>
<td>Composting facilities</td>
<td>0</td>
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<td>Recyclables processing facilities</td>
<td>0</td>
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<tr>
<td>Waste to Energy facilities</td>
<td>0</td>
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<tr>
<td>Sanitary landfill</td>
<td>4</td>
<td>Plant will be constructed in 2 phases, with an expected life span of 31 years</td>
<td>3.088.235,29 €</td>
<td>847.853 m3</td>
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