

Landfill cover

Main purpose:

- ☐ Protect humans and animals from direct contact with the waste.
- ☐ Prevent vertical infiltration of water into wastes that would create contaminated leachate.
- ☐ Minimise emissions of landfill gas through the surface of the cap (in combination with an active gas abstraction system)



Function requirements

- ☐ Maximal water infiltration through barrier layer (quantitative requriement in the legislation) □Physical stability, strength (no landslides) □ Durability (hundreds to thousands years)

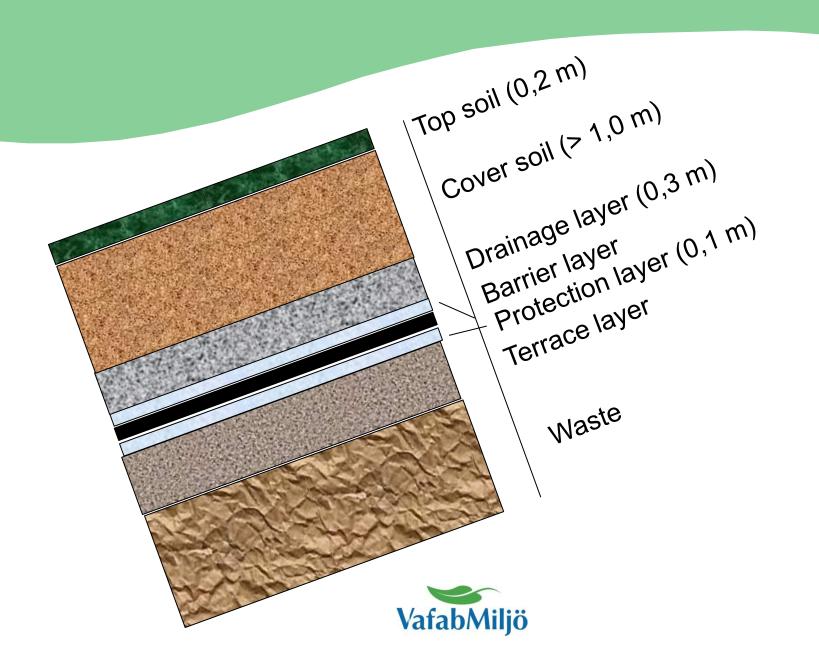


Environmental requirements

- ☐ Pollutants in the chosen materials
 - Exposure through dust or oral intake
 - Runoff to sorrounding water and groundwater
- Manufacturing and transportation of materials
- ☐ Use of natural resources



Typical construction



Landfills in our region



Vätterskoga – 3 ha

Fagersta – 5 ha

Sala – 11 ha

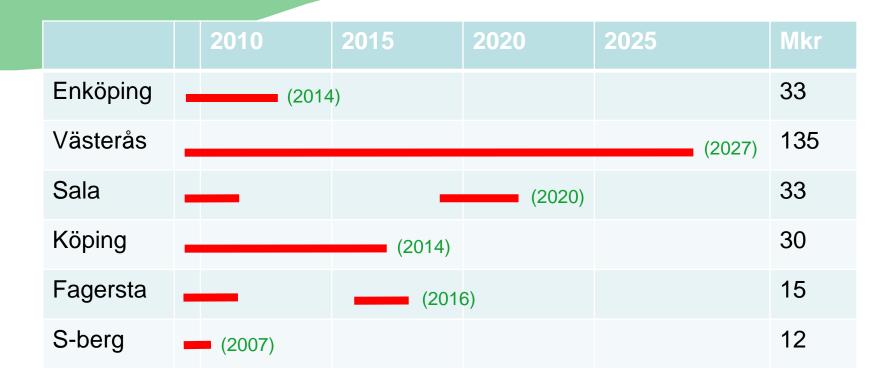
Köping – 9+1 ha

Enköping – 11 ha

Västerås – 45 ha



Costs



Total cost: ca 260 Mkr



Material consumption

Drainage layer

- 255 000 m³
- Equivalent to one soccer pitch filled with 36 meters of material
- 19 600 semi trailers for transportation

Cover soil

- 850 000 m³
- Equivalent to one soccer pitch filled with 120 meters of material
- 65 000 semi trailers for transportation

