



## Landfill ET Cover Permitting

*Obtained one of the first permits in a western state to construct a soil-only, evapotranspiration (ET) final cover on a Subtitle D Landfill.*

*Saved the landfill millions of dollars in final cover construction costs with the approval of this cover system.*

Client: Confidential  
Location: Western US

The ET cover is an alternative to the composite cover prescribed by Subtitle D and the state solid waste regulations.

The system is designed to store precipitation in the cover soils until it is removed by evaporation or transpiration of vegetation planted on the cover.

Modeling demonstrated that both rain water infiltration and landfill gas emissions would meet aggressive performance standards.

Prepared reports summarizing suitability of on-site soils for use in the ET cover, engineering concepts, modeling results, soil specifications, and CQA requirements for the cover.

Worked with local National Resources Conservation Service (NRCS) office to specify a seed mix of native vegetation that would thrive in the arid climate.

The project successfully demonstrated that vegetation established itself quickly and successfully limited wind and water erosion.

