



## Advanced Geosynthetic Interface Testing – Critical to Safely Constructing and Operating Landfill Cells

*Geosynthetic interface testing is much more complex than it appears, and the consequences of getting it wrong can be a major slope stability failure.*

*EIL's landfill design team understands these complexities and can help you navigate this foreign territory safely and cost effectively.*

Client: Multiple landfill clients  
Location: Nationwide

EIL's team has set up testing specifications and coordinated testing for landfills across the country.

We partner with one of the best labs in the country to perform interface testing. Their test results are bulletproof, and they're cost effective and dependable too.

Results can easily be skewed by incorrectly specifying seemingly trivial test parameters such as shear rate, consolidation time, load increments and saturation – we pay attention to these parameters and carefully specify each one to make the testing as representative of actual field conditions as possible.

Working with the lab, we have helped to pioneer new testing procedures for multi-layer liner and final cover systems that ensure strain compatibility (another critically important and often overlooked parameter) while reducing testing costs.

Once testing is completed, EIL's team evaluates the results and uses them to assess the stability of the landfill throughout its life, from post-construction, through interim waste filling, to post-closure.

