Protexia GPT5 is a geotextile incorporating longitudinal band drains at regular centres across the roll width. The inclusions allow the composite to provide both the separation and drainage functions.

At Erin, the GPT5 was placed at the base of a fill that has been excavated from local colliery lagoons. A drainage layer was integral to the design to facilitate consolidation, prevent the build-up of pore pressure and thus stabilise the area beneath the landfill cell.

GPT17, composite liner protection and leachate drainage, was deployed on the cell side slopes whilst HP17 provided liner protection at the base.

**Client:**  Viridor  
**Contractor:**  Mouldings Contracts I  
**Product:**  GEOfabrics HPS 16, GPT 17 & GPT5  
**Product functions:**  Drainage & Protection