

Project summary

Sutton Landfill



Site: Sutton LFS

Client: WRG

Consultant: Egniol

Contractor: May Gurney

Product: **HPS13, Protexia FnF016 & Protexia GPT5**

Product functions: Protection and ground water control

The sand and silt lenses within the coal shale excavated for a new cell were yielding large amounts of ground water. The Consultant was concerned that pressure could build up beneath the geomembrane barrier.

Protexia GPT 5 and FnF016, band drain- and net-based composites respectively, were deployed beneath the membrane to prevent any ground water accumulation.

The process used to manufacture these composites creates strong bonds between the drainage cores and the geotextile, which means high internal shear strength for stability on steep cell slopes.

HPS13 was used for membrane protection.



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