RECOGNIZING EXCELLENCE

International Achievement Awards

**Award of Excellence ▶**

**Darling Downs Tarpaulins**  
**Toowoomba, Australia**

Water management solutions are becoming more important around the globe as aquifers and other natural resources become depleted at a rapid clip. This project involved the design, fabrication and installation of a floating cover membrane on a 10 acre (4 ha) irrigation water storage dam, to reduce or eliminate surface evaporation, while still allowing rainwater to drain through it. The site was on a rockmelon, grape and cotton farm in southwest Queensland, Australia. Darling Downs developed and built a mobile raft upon which a mounted wedge welder performed the joins. Challenges included drying the membrane selvages sufficiently to allow welding.

**Geotextile:** E-VapCap from Sealed Air Australia Pty. Ltd.
**Designer:** Warwick Hill
**Project Manager:** Maxwell Brady

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**Outstanding Achievement ▲**

**Terrafix Geosynthetics Inc.**  
**Toronto, Ontario, Canada**

A geosynthetic clay liner (GCL) was selected to cover the top of the Rennie Street Landfill in order to restrict further infiltration of surface water into the landfill, and to minimize the generation of leachate that could flow to the creek. The main component of the work was carried out along the slope adjacent to the creek and in the creek itself. One of the most significant challenges of the project was to design a collection system against the creek and along a slope of 35 degrees without exposing any existing waste. The Rennie Street project has won numerous awards in Canada and was featured in the April 2003 issue of GFR magazine.

**Geotextiles:** geosynthetic clay liner (GCL), Bentofix Technologies Inc.; geogrid, Tensar Earth Technologies Inc.
**Fabrication:** Terrafix Geosynthetics Inc.
**Installation:** Hard Rock (2001) and Aecon (2002)
**Project Engineers:** Dillon Consulting Ltd.
**Geosynthetic Design Engineers:** Tensar Earth Technologies
**Project Manager:** Doug Simmons, Terrafix Geosynthetics Inc.