

**PRODUCT INSPECTION**

Siplast Teranap Geomembrane	Product ID: 8150-5-1-1 Initiation Date: January 2007 Expiry: February 2010 Status: Trial Inspected by: F. Cheng On: April 6, 2010
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Project	Description	Application Date
LNID Canal, South Park Lake	6 km	December 2006

Over the years the concrete lining of the LNID in the South Park Lake has cracked. In 2006, repair work was conducted by installing a Siplast Teranap Geomembrane. After cleaning the debris, patching with concrete, re-setting the concrete blocks and filling the cracks with polyurethane, Siplast Teranap Geomembrane was installed on top of the repaired concrete canal lining. The overlap joints were fused by a propane torch. The geomembrane edges on top of the canal were buried in dirt. Shortly after installation, portions of the liner bubbled and uplifted. It was determined that groundwater seepage had entered the canal. Holes were punched into the lining to release the water pressure. A permanent dewatering system consisting of perforated pipes and pumps was installed and water is pumped back into South Park Lake on a regular basis. The canal owner does not have any complaint of the application of this product. During the inspection in the low water season, the geomembrane was intact and no signs of material failure were found.

**Recommendation:**

The Siplast Teranap Geomembrane does not show signs of failure and joints were intact. It is recommended that the product be advanced to Proven status.





During installation:

