

8. Development of Triple Liner System

- Application to Coastal Landfill Site -

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Triple Liner System are used to line land and coastal landfill sites. A verification test of lining sheets was conducted to check the workability of Triple Liner System. The test was conducted at an actual harbor on an actual construction scale.

The results were evaluated by the Coastal Development Institute of Technology based on the standards for “Inspection and evaluation for confirming harbor-related private technologies”.

Triple Liner System was evaluated to have the following four advantages: Integrated intermediate protection layer increases the capacity of disposal site, Reduced number of times to laying sheets enables a period of work to be curtailed, The triple structure that can follow deformation improves impermeability and durability, and The sheet can be installed using an ordinary method.

Key words : coastal landfill site, lining sheet, impermeability, durability